

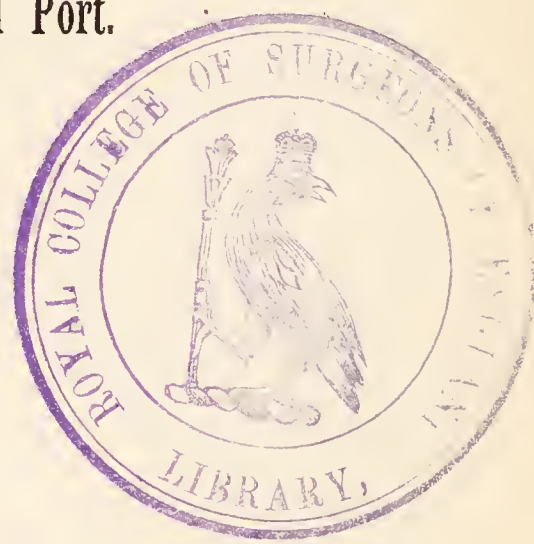
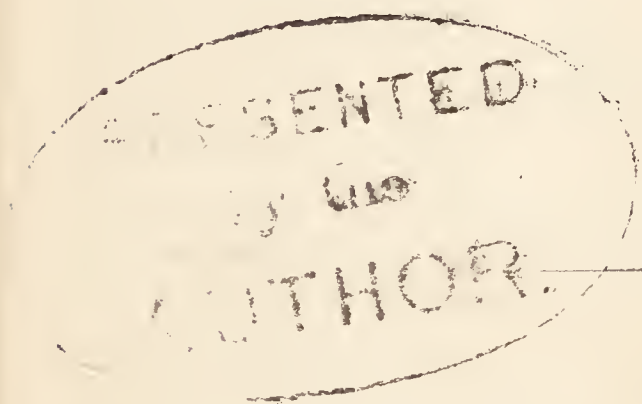
R E P O R T
OF THE
HEALTH OF LIVERPOOL,

DURING THE YEAR 1882,

WITH MAP, SHOWING THE LOCALITIES OF THE FATAL PREVALENCE
OF FEVER.


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The prevalence of fever is generally associated with insanitary property and crowded courts and alleys ; but in the early part of the year there was an outbreak in the West Derby district just outside the Municipal boundaries, where the houses are comparatively new, the situation elevated, open, and should be healthy, but some of the houses were occupied by a class similar to those dwelling in the lowest parts of the city, and when fever got amongst them it spread rapidly. There is no return of the number of cases which occurred in Division Street and its neighbourhood, but there were sent from that district into the hospital, Brownlow Hill, during January, six cases ; February, thirteen ; March, nine ; and April, one ; a total of twenty-nine cases, eight of which terminated fatally, and are added to the death roll of the city.

In April the Medical Officer reported to the Health Committee the death of a man in Page Street from fever, and that eight members of his family, dwelling in different parts of the city, had contracted the disease from communications—first with the man in Page Street, and afterwards with other members of the family, who became ill. The report concluded with the following remarks :—“ It is highly improbable that so virulent an outbreak with a mortality rate of 44 per cent. should suddenly die out without affecting many more people, but owing to the various ways in which contagious disease can be communicated, and the crowded population with which we have to deal, it is very difficult to trace the connection ; but the large number of patients in Brownlow Hill hospital, and the increased death rate from the disease, is evidence of its persistence and extension in the City. It is futile to expect that a Sanitary Authority, who only receives information of the dying and the dead, will be able to cope with infectious disease whilst it is being secretly spread and scattered broadcast by the affected, as well as their visitors and attendants.”

In June there was an outbreak of fever in Carlton Street, and the following is extracted from the report presented to the Health Committee on August 24th :—“ Carlton Street is situated on the west side of Great Howard Street, leading down to Regent Road, opposite Clarence Dock, and contains a number of courts having the houses back to back and incapable of thorough ventilation. The inhabitants are poor, the houses crowded and dirty, and the atmosphere fetid ; in fact just one of those places where zymotic disease, when once introduced, spreads rapidly.

Occasional outbreaks of infectious disease are not infrequent, but prompt measures are generally successful in stamping it out, as in the first cases which occurred this year in Carlton Street, and were removed by the Sanitary Authority, on February 24th and March 9th. Nothing more was heard of the disease

until May 25th, when information was received at this office from the Parish Authority that four cases had been removed to the hospital from the house No. 34. On inquiry it was found that a girl had been ill for some time, and had been freely visited by the neighbours ; but it was not until three other members of the family were affected that she was removed.

On June 12th information was received from the Parish Authority that one case from No 7 in 2 court, and two cases from No. 12 in 2 court, had been removed to the hospital on the 10th. One of the men died on the 12th, another on the 14th, and a man resident at No. 3 house in 7 court, Regent Street, who had worked with them on board some Irish boats, died at his home on the 12th.

These cases were evidently the commencement of the outbreak, as will be seen in the annexed table, which gives the dates on which information of each series of cases was received. It will also be seen that there were four cases in No. 34 house, four cases in 36, seven cases in 38, eighteen cases in No. 2 court, two cases in 39, five cases in 41, four cases in 15 court, eight cases in 15a court, seven cases in 17 court—a total of fifty-nine cases, and ten deaths have already occurred between May 25th and the present date. Fever has not been confined to Carlton Street, for it has spread to some of the neighbouring streets, evidently following upon the same outbreak. In Chadwick Street there have been ten cases, in Whitley Street three, in Prince's Walk three, and many cases in Great Howard Street and the adjoining streets. If sanitary measures are to be fully efficient in preventing disease, it is absolutely necessary that the earliest possible information should be given to the Medical Officer, and not delayed as at No. 34, where, besides the first case, there were three other members of the family affected, and the contagion spread by a number of sympathising visitors before any information was given. In like manner, the patients reported on June 12th must have been ill ten or twelve days at least, for two of the men died on the 12th—the same day that information was given—and the third man on the 14th, two days after.

However desirous many persons may be to nurse the sick at their homes, it is utterly impossible to so isolate cases of infectious disease in small or even ordinary-sized houses as to secure the other members of the family and the public from the danger of infection ; and, further, by the early removal of the sufferers to clean and airy wards, with skilled and trained nurses to attend upon them, they have a much better chance of recovery than if left at home to the kind but inexperienced management of relatives and friends.

Each house, in the same parts of the City, is thoroughly inspected every three months as to its sanitary condition. Every court and alley is visited once a week for the same purpose. When information is received that infectious disease is supposed to exist in any house, it is visited as early as possible to ascertain if the information is correct, the number of children going to school and the name of the school, whether the house is dirty or overcrowded, and if any nuisances exist in or about the premises. Should the information when first given be reliable, a special inspector is sent to ascertain the conditions in which the patient is placed, to visit the doctor if one is employed, and if necessary to remove the sufferer to hospital. If no doctor is in attendance, and no satisfactory information to be obtained, report is made to the Medical Officer, who directs whatever further action may be desirable. When the patient is removed or well an officer disinfects the house, another removes the clothing for disinfection, and then notice is served upon the owner to whitewash and cleanse the house, whilst the City Engineer is notified in all cases of fever to flush the drains."

The necessity for a system of compulsory notification of infectious disease is becoming more generally felt as the very first step in preventive treatment, and the subject has been discussed both in the Council and Health Committee, but nothing definite has resulted beyond affirming the principle.

OTHER ZYMOTICS.

SCARLATINA caused 380 deaths, being a decrease on the previous year, when there were 435 deaths, whilst the average for the preceding ten years is 586.

MEASLES occasioned 410 deaths, whilst in the previous year there were 756 deaths, and the average for the last ten years is 420. The mortality from measles cannot be estimated by the number of deaths registered from that cause, as many die from the sequelæ of the disease, arising from exposure and cold.

DIARRHŒA.—The deaths from this disease were 587, being a slight increase on the previous year, when there were 508 deaths, whilst they are below the average, which is 784.

WHOOPING COUGH was prevalent during the spring quarter, when the deaths were 154, out of a total for the year of 420. The deaths in 1881 were 402, whilst the average is 457.

SMALLPOX caused 6 deaths.

The following table gives the annual number of deaths from diarrhoea and fever, being the diseases most influenced by sanitary measures :—

| YEAR. | Deaths from Diarrhoea. | Deaths from Fever. | Deaths from Relapsing Fever. |
|-------|---------------------------|-----------------------|---------------------------------|
| 1866 | 1145 | 1523 | ... |
| 1867 | 796 | 656 | ... |
| 1868 | 1108 | 841 | ... |
| 1869 | 1001 | 783 | ... |
| 1870 | 1151 | 572 | 355 |
| 1871 | 1127 | 701 | 207 |
| 1872 | 998 | 451 | 25 |
| 1873 | 906 | 335 | ... |
| 1874 | 879 | 449 | ... |
| 1875 | 842 | 490 | ... |
| 1876 | 694 | 398 | ... |
| 1877 | 605 | 382 | ... |
| 1878 | 979 | 375 | ... |
| 1879 | 402 | 248 | ... |
| 1880 | 1028 | 256 | ... |
| 1881 | 508 | 292 | ... |
| 1882 | 587 | 593 | ... |

OFFENSIVE TRADES.

Twelve applications were made during the year for permission to carry on the businesses coming under the designation of Offensive Trades, of which six were refused, and of the six granted three were transfers.

Proceedings were taken under Section 114 of Public Health Act on certificate of Medical Officer of Health that the trade or business of drying damaged wheat at the kiln in Thomas Street was a nuisance, or injurious to the health of the inhabitants. The Court adjourned the case *sine die* in order to give the defendant an opportunity of consulting his landlord as to a renewal of his lease, and carry out efficient alterations provided a fresh lease was granted. The complainant to bring the matter before the Court if there was a renewal of the nuisance.

During the fifty-two weeks of the year 1882 (terminating on Saturday, December 30), the Returns of the Local Registrars record 20,498 births and 14,818 deaths within the City; the numbers for the corresponding period of the previous year, 1881, were 20,762 births and 14,733 deaths.

Of the births 10,372 were males and 10,126 were females, making the total Birth-rate of the City equal to 36·6 per 1,000; the average of the previous ten years being 38·4.

The Distribution of the births in the different wards and districts of the City has been arranged in the following table:—

BIRTHS.

| DISTRICTS AND WARDS. | | 1st Quarter. | | 2nd Quarter. | | 3rd Quarter. | | 4th Quarter. | | Annual. |
|-------------------------|-------------------------------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|---------|
| | | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Births |
| Parish. | Scotland | 325 | 356 | 339 | 325 | 315 | 297 | 289 | 324 | 2570 |
| | Vauxhall | 63 | 65 | 62 | 78 | 67 | 70 | 57 | 62 | 524 |
| | St. Paul's and Exchange.. | 89 | 66 | 72 | 73 | 74 | 77 | 73 | 81 | 605 |
| | St. Anne's and Lime Street | 134 | 147 | 145 | 109 | 115 | 133 | 128 | 119 | 1030 |
| | Castle Street and St. Peter's | 15 | 17 | 20 | 15 | 15 | 26 | 23 | 19 | 150 |
| | Pitt Street and Gt. George | 77 | 76 | 66 | 78 | 78 | 58 | 93 | 72 | 598 |
| | Rodney St. & Abercromby | 182 | 148 | 136 | 144 | 144 | 166 | 172 | 128 | 1220 |
| Out-Townships. | Everton | 554 | 502 | 519 | 522 | 489 | 520 | 509 | 511 | 4126 |
| | Kirkdale | 347 | 275 | 331 | 322 | 305 | 308 | 320 | 280 | 2488 |
| | West Derby | 345 | 307 | 343 | 373 | 335 | 359 | 339 | 352 | 2753 |
| | The Toxteths | 516 | 515 | 587 | 595 | 580 | 569 | 585 | 487 | 4434 |
| Parish | | 885 | 875 | 840 | 822 | 808 | 827 | 835 | 805 | 6697 |
| Out-Townships | | 1762 | 1599 | 1780 | 1812 | 1709 | 1756 | 1753 | 1630 | 13801 |
| City | | 2647 | 2474 | 2620 | 2634 | 2517 | 2583 | 2588 | 2435 | 20498 |

DEATHS.

Of the 14,818 deaths 7,644 were of males, and 7,174 of females; 6,813 occurred in the Parish, and 8,005 in the Out-townships.

The Death-rate of the City was equal to 26·4 per 1,000. The average of the previous ten years was 27·6 per 1,000.

The following table shows the actual number of deaths registered in the Parish and Out-townships, previous to the transference to the districts from whence the patients were removed, of the deaths occurring in the Workhouses and Hospitals. The death-rate of the Parish was equal to 33·0 and that of the Out-townships to 22·6 per 1000 of the population.

The deaths occurred in the following districts :—

| DISTRICTS. | | 1st Quarter. | | 2nd Quarter. | | 3rd Quarter. | | 4th Quarter. | | Annual. |
|---------------------|--|--------------|----------|--------------|----------|--------------|----------|--------------|----------|---------|
| | | Male. | Fe-male. | Male. | Fe-male. | Male. | Fe-male. | Male. | Fe-male. | Deaths. |
| Parish. | Scotland | 190 | 224 | 191 | 204 | 193 | 201 | 267 | 242 | 1712 |
| | Vauxhall | 67 | 60 | 49 | 49 | 55 | 55 | 50 | 62 | 447 |
| | St. Paul's and Exchange | 60 | 57 | 78 | 62 | 53 | 60 | 64 | 66 | 500 |
| | St. Anne's and Lime Street | 110 | 82 | 103 | 114 | 97 | 100 | 117 | 107 | 830 |
| | Castle Street and St. Peter's | 20 | 18 | 15 | 20 | 12 | 10 | 8 | 17 | 120 |
| | Pitt Street and Great George | 57 | 63 | 54 | 52 | 40 | 50 | 66 | 48 | 430 |
| | Rodney Street and Abercromby..... | 80 | 114 | 81 | 94 | 86 | 74 | 97 | 83 | 709 |
| | Parish Workhouse and Hospitals | 348 | 221 | 286 | 190 | 282 | 175 | 327 | 236 | 2065 |
| | Everton | 297 | 293 | 281 | 300 | 278 | 285 | 330 | 320 | 2384 |
| Out-Townships. | Kirkdale | 164 | 136 | 167 | 144 | 201 | 180 | 181 | 188 | 1361 |
| | West Derby..... | 175 | 151 | 173 | 174 | 152 | 187 | 160 | 196 | 1368 |
| | The Toxteths | 289 | 303 | 272 | 255 | 263 | 308 | 331 | 359 | 2380 |
| | Out-Township Workhouse and Hospitals } | 78 | 41 | 70 | 43 | 69 | 44 | 110 | 57 | 512 |
| | Parish | 932 | 839 | 857 | 785 | 818 | 725 | 996 | 861 | 6813 |
| Out-Townships | | 1003 | 924 | 963 | 916 | 963 | 1004 | 1112 | 1120 | 8005 |
| City | | 1935 | 1763 | 1820 | 1701 | 1781 | 1729 | 2108 | 1981 | 14818 |

From the returns made as to the residences of persons dying in the Workhouses and Hospitals of the town, we are able to classify 2,148 of the deaths in these establishments under the wards from whence the patients were removed, viz., 434 under Scotland Ward, 202 under Vauxhall Ward, 100 under St. Paul's Ward, 90 under Exchange Ward, 275 under St. Anne's Ward, 63 under Lime Street Ward, 3 under Castle Street Ward, 28 under St. Peter's Ward, 83 under Pitt Street Ward, 84 under Great George's Ward, 86 under Rodney Street Ward, 108 under Abercromby Ward, 242 under the Out-township of Everton, 88 under that of Kirkdale, 156 under West Derby Ward, 51 under North Toxteth Ward, and 55 under South Toxteth Ward. This will leave unclassified 174 deaths of persons whose previous residences were either unknown or not specified; and these, in the absence of definite information,

have been placed in the Wards in proportion to the number of total deaths ; and 255 who were residents outside the City.

The results of the alterations occasioned by this re-arrangement of the deaths in the wards and districts will be shown in the following table, from which a calculated rate of mortality per 1,000 of the estimated inhabitants has been made.

| WARDS. | Annual. | |
|---|---------|----------------|
| | Deaths. | Rate per 1000. |
| Scotland | 2172 | 31·2 |
| Vauxhall | 657 | 44·0 |
| St. Paul's | 386 | 36·4 |
| Exchange | 313 | 35·5 |
| St. Anne's | 899 | 36·0 |
| Lime Street | 283 | 25·3 |
| Castle Street | 19 | 17·8 |
| St. Peter's | 133 | 24·6 |
| Pitt Street | 270 | 35·5 |
| Great George | 334 | 31·1 |
| Rodney Street | 438 | 24·2 |
| Abercromby | 476 | 20·4 |
| Everton | 2658 | 23·8 |
| Kirkdale..... | 1467 | 23·6 |
| West Derby | 1542 | 22·1 |
| North Toxteth | 1353 | 20·3 |
| South Toxteth | 1163 | 26·7 |
| Hospitals (Residences outside City) | 255 | .. |
| | 14818 | 26·4 |

The following table shows the natural increase or decrease of population, and the number of births and deaths during the year 1882 in the several districts of the City :—

| DISTRICTS AND WARDS. | Births. | Deaths. | Increase. | Decrease |
|---|---------|---------|-----------|----------|
| Scotland | 2570 | 2172 | 398 | .. |
| Vauxhall | 524 | 657 | .. | 133 |
| St. Paul's and Exchange..... | 605 | 699 | .. | 94 |
| St. Anne's and Lime Street | 1030 | 1182 | .. | 152 |
| Castle Street and St. Peter's | 150 | 152 | .. | 2 |
| Pitt Street and Gt. George..... | 598 | 604 | .. | 6 |
| Rodney Street and Abercromby | 1220 | 914 | 306 | .. |
| Everton | 4126 | 2658 | 1468 | .. |
| Kirkdale... .. | 2488 | 1467 | 1021 | .. |
| West Derby | 2753 | 1542 | 1211 | .. |
| The Toxteths..... | 4434 | 2516 | 1918 | .. |
| City | 20498 | 14563 | 5935 | .. |
| Hospitals (Residences outside City) | .. | 255 | .. | .. |
| Total..... | 20498 | 14818 | 5680 | .. |

The following table, taken from the Registrar-General's Reports, will enable us to compare the mortality of Liverpool with thirty of the large towns of the United Kingdom :—

| TOWNS. | Estimated Popula- tion in the middle of the year 1882. | Births in 52 Weeks, ending 30th Dec., 1882. | Deaths in 52 Weeks, ending 30th Dec., 1882. | Annual Rate to 1,000 of Population. | | Population on Acre. |
|-------------------------|---|---|---|--|---------|---------------------------|
| | | | | Births. | Deaths. | |
| London | 3893272 | 133200 | 82905 | 34·2 | 21·3 | 51·6 |
| Brighton | 109595 | 3346 | 2372 | 30·5 | 21·6 | 46·5 |
| Portsmouth | 129916 | 4404 | 2779 | 33·9 | 21·4 | 29·0 |
| Norwich | 88821 | 3000 | 1821 | 33·8 | 20·5 | 11·9 |
| Plymouth..... | 74449 | 2386 | 1574 | 32·1 | 21·1 | 53·4 |
| Bristol | 210134 | 6923 | 4021 | 33·0 | 19·1 | 47·2 |
| Wolverhampton ... | 76756 | 2762 | 1713 | 36·0 | 22·3 | 22·6 |
| Birmingham..... | 408532 | 14893 | 8527 | 36·5 | 20·8 | 48·6 |
| Leicester | 126275 | 4856 | 2532 | 38·5 | 20·0 | 39·4 |
| Nottingham..... | 193573 | 7356 | 4557 | 38·0 | 23·5 | 19·4 |
| Derby | 83587 | 2963 | 1559 | 35·5 | 18·6 | 24·3 |
| Birkenhead | 86582 | 3158 | 1733 | 36·5 | 20·0 | 22·3 |
| Bolton | 106767 | 3875 | 2443 | 36·3 | 22·9 | 37·3 |
| Manchester | 340211 | 12454 | 9057 | 36·6 | 26·6 | 79·2 |
| Salford | 184004 | 7130 | 4262 | 38·8 | 23·1 | 35·6 |
| Oldham..... | 115572 | 4019 | 2838 | 34·8 | 24·5 | 24·8 |
| Blackburn | 106460 | 4082 | 2665 | 38·4 | 25·0 | 15·3 |
| Preston..... | 97656 | 3863 | 2684 | 39·6 | 27·5 | 26·8 |
| Huddersfield | 83418 | 2560 | 1858 | 30·7 | 22·2 | 79·5 |
| Halifax..... | 74713 | 2232 | 1518 | 29·9 | 20·3 | 20·2 |
| Bradford | 200158 | 6224 | 4142 | 31·7 | 21·1 | 18·6 |
| Leeds | 315998 | 11359 | 7321 | 36·0 | 23·1 | 14·6 |
| Sheffield | 290516 | 10837 | 6281 | 37·3 | 21·6 | 14·8 |
| Hull | 158814 | 5794 | 3669 | 36·5 | 23·1 | 43·7 |
| Sunderland | 119065 | 4889 | 3149 | 41·1 | 26·4 | 43·0 |
| Newcastle-on-Tyne | 147626 | 5473 | 3403 | 37·1 | 23·0 | 27·5 |
| Cardiff | 86724 | 3398 | 1725 | 39·2 | 19·9 | 12·7 |
| Edinburgh | 232440 | 7295 | 4562 | 31·4 | 19·6 | 55·5 |
| Glasgow | 514048 | 19685 | 13031 | 38·3 | 25·3 | 85·2 |
| Dublin | 348293 | 10073 | 9699 | 28·9 | 27·8 | 34·7 |
| Liverpool | 560377 | 20498 | 14818 | 36·6 | 26·4 | 107·6 |

The deaths of Infants below the fifth year of their age amounted to 6,527, and thus comprised 44·0 per cent. of the whole deaths; the average number for the preceding ten years was 6,767, and the average percentage 46·6. The deaths of Infants below one year of age amounted to 3,641, or 17·8 per cent. of all the children born within the City died before attaining the age of twelve months.

The first of the following tables shows the districts where Infantile Mortality was relatively and absolutely greatest, the second table illustrates the influence of age on the death-rate of the City, and the third table places, in one connected view, the pathological history of the death registry.

| WARDS. | Quarters. | | | | Annual. | Per Cent- age of Deaths under 5 years to Total Deaths. |
|--|----------------------|-------|-------|------|---------|--|
| | March. | June. | Sept. | Dec. | | |
| Scotland | Total Deaths.. 414 | 395 | 394 | 509 | 1712 | } 54·8 |
| | Below 5 years.. 209 | 211 | 253 | 266 | 939 | |
| Vauxhall | Total Deaths.. 127 | 98 | 110 | 112 | 447 | } 50·3 |
| | Below 5 years.. 66 | 49 | 55 | 55 | 225 | |
| St. Paul's | Total Deaths.. 67 | 89 | 53 | 72 | 281 | } 47·0 |
| | Below 5 years.. 29 | 45 | 25 | 33 | 132 | |
| Exchange | Total Deaths.. 50 | 51 | 60 | 58 | 219 | } 39·7 |
| | Below 5 years.. 21 | 18 | 26 | 22 | 87 | |
| St. Anne's | Total Deaths.. 151 | 151 | 139 | 172 | 613 | } 48·6 |
| | Below 5 years.. 70 | 77 | 76 | 75 | 298 | |
| Lime Street | Total Deaths.. 41 | 66 | 58 | 52 | 217 | } 45·6 |
| | Below 5 years.. 15 | 40 | 29 | 15 | 99 | |
| Castle Street | Total Deaths.. 7 | 1 | 3 | 5 | 16 | } 25·0 |
| | Below 5 years.. 2 | 0 | 1 | 1 | 4 | |
| St. Peter's | Total Deaths.. 31 | 34 | 19 | 20 | 104 | } 45·2 |
| | Below 5 years.. 12 | 17 | 12 | 6 | 47 | |
| Pitt Street | Total Deaths.. 54 | 56 | 35 | 39 | 184 | } 41·3 |
| | Below 5 years.. 18 | 25 | 19 | 14 | 76 | |
| Great George | Total Deaths.. 66 | 50 | 55 | 75 | 246 | } 44·7 |
| | Below 5 years.. 29 | 20 | 26 | 35 | 110 | |
| Rodney Street..... | Total Deaths.. 91 | 90 | 75 | 91 | 347 | } 40·3 |
| | Below 5 years.. 45 | 37 | 26 | 32 | 140 | |
| Abercromby..... | Total Deaths.. 103 | 85 | 85 | 89 | 362 | } 39·8 |
| | Below 5 years.. 38 | 36 | 34 | 36 | 144 | |
| Parish Workhouse and Hospitals | Total Deaths.. 569 | 476 | 457 | 563 | 2065 | } 15·9 |
| | Below 5 years.. 84 | 74 | 83 | 87 | 328 | |
| Everton..... | Total Deaths.. 590 | 581 | 563 | 650 | 2384 | } 53·0 |
| | Below 5 years.. 276 | 298 | 338 | 351 | 1263 | |
| Kirkdale | Total Deaths.. 300 | 311 | 381 | 369 | 1361 | } 52·8 |
| | Below 5 years.. 126 | 152 | 232 | 208 | 718 | |
| West Derby..... | Total Deaths.. 326 | 347 | 339 | 356 | 1368 | } 48·2 |
| | Below 5 years.. 150 | 158 | 195 | 156 | 659 | |
| North Toxteth..... | Total Deaths.. 326 | 289 | 309 | 362 | 1286 | } 47·4 |
| | Below 5 years.. 156 | 145 | 157 | 151 | 609 | |
| South Toxteth..... | Total Deaths.. 266 | 238 | 262 | 328 | 1094 | } 55·7 |
| | Below 5 years.. 144 | 128 | 157 | 180 | 609 | |
| Out-Township Workhouse and Hospitals | Total Deaths.. 119 | 113 | 113 | 167 | 512 | } 7·8 |
| | Below 5 years.. 4 | 11 | 16 | 9 | 40 | |
| Parish | Total Deaths.. 1771 | 1642 | 1543 | 1857 | 6813 | } 38·6 |
| | Below 5 years.. 638 | 649 | 665 | 677 | 2629 | |
| Out-Townships | Total Deaths.. 1927 | 1879 | 1967 | 2232 | 8005 | } 48·7 |
| | Below 5 years.. 856 | 892 | 1095 | 1055 | 3898 | |
| City | Total Deaths.. 3698 | 3521 | 3510 | 4089 | 14818 | } 44·0 |
| | Below 5 years.. 1494 | 1541 | 1760 | 1732 | 6527 | |

| AGES. | Quarters. | | | | Annual. | |
|----------------------------------|-----------|-------|-------|------|---------|------------------------------|
| | March. | June. | Sept. | Dec. | Deaths. | Rate per 1000 of population. |
| Deaths below 1 year of age | 768 | 846 | 1066 | 961 | 3641 | 6·5 |
| „ between 1 year and 5 | 726 | 695 | 694 | 771 | 2886 | 5·1 |
| „ „ 5 „ 20 | 281 | 286 | 253 | 294 | 1114 | 2·0 |
| „ „ 20 „ 60 | 1353 | 1186 | 1056 | 1410 | 5005 | 8·9 |
| „ above 60 years | 570 | 508 | 441 | 653 | 2172 | 3·9 |
| „ at all ages | 3698 | 3521 | 3510 | 4089 | 14818 | 26·4 |

The Registrars' Returns show that there were 14 deaths (13 women and 1 man) at the age of 90 and upwards, viz., 1 male and 3 females at 90, 3 females at 91, 1 female at 92, 2 females at 93, 1 female at 95, 1 female at 96, 1 female at 98, and 1 female at 101.

| CLASSES. | QUARTERS. | | | | YEAR |
|---|-----------|-------|-------|------|-------|
| | March. | June. | Sept. | Dec. | 1882. |
| 1. Zymotic Diseases | 613 | 619 | 830 | 781 | 2843 |
| 2. Diseases of Uncertain Seat | 80 | 93 | 102 | 95 | 370 |
| 3. Tubercular Diseases | 513 | 477 | 499 | 483 | 1972 |
| 4. Diseases of Brain, &c. | 414 | 404 | 389 | 450 | 1657 |
| 5. „ of Heart, &c. | 223 | 186 | 177 | 234 | 820 |
| 6. „ of Lungs, &c. | 980 | 836 | 576 | 1019 | 3411 |
| 7. „ of Stomach, &c. | 154 | 188 | 208 | 176 | 726 |
| 8. „ of Kidneys, &c. | 89 | 74 | 79 | 99 | 341 |
| 9. Childbirth, Diseases of Uterus, &c. | 20 | 21 | 24 | 42 | 107 |
| 10. Rheumatism, Diseases of the Joints, &c. | 15 | 11 | 15 | 14 | 55 |
| 11. Diseases of the Skin, Cellular Tissue, &c. | 14 | 16 | 13 | 16 | 59 |
| 12. Malformations | 16 | 12 | 7 | 17 | 52 |
| 13. Premature Birth | 61 | 83 | 63 | 47 | 254 |
| 14. Atrophy and Debility | 209 | 218 | 252 | 255 | 934 |
| 15. Old Age | 110 | 89 | 106 | 149 | 454 |
| 16. Privation, Cold, &c. | 1 | .. | 2 | 3 | 6 |
| 17. Inquests | 180 | 187 | 159 | 205 | 731 |
| Causes not specified | 6 | 7 | 9 | 4 | 26 |
| All Causes | 3698 | 3521 | 3510 | 4089 | 14818 |
| Total Zymotics | 613 | 619 | 830 | 781 | 2843 |
| Smallpox | 3 | 2 | .. | 1 | 6 |
| Measles | 125 | 98 | 57 | 130 | 410 |
| Scarlatina | 111 | 85 | 65 | 119 | 380 |
| Hooping Cough | 84 | 154 | 110 | 92 | 440 |
| Diarrhœa | 54 | 65 | 395 | 73 | 587 |
| Fever | 116 | 123 | 119 | 235 | 593 |

ZYMOTICS.

This class of diseases occasioned 2,843 deaths during the year 1882, and accounted for 19·2 per cent. of the total mortality within the City during the same period. The average number of deaths from these diseases for the preceding ten years was 3,161, and the percentage death rate for 1882 was 2·5 per cent. less than the proportional rate of zymotic deaths to deaths from all causes during the preceding decennial period. The following table shows the localities and the periods of their fatal prevalence:—

| WARDS, &c. | Deaths from all Causes. | ZYMOTICS. | | | | |
|------------------------------------|-------------------------|-----------|-------|-------|------|--|
| | | Quarters. | | | | Per Centage of Zymotic Deaths to Deaths from all Causes. |
| | | March. | June. | Sept. | Dec. | |
| Scotland | 1712 | 65 | 66 | 131 | 123 | 22·5 |
| Vauxhall | 447 | 21 | 21 | 32 | 13 | 19·5 |
| St. Paul's | 281 | 7 | 17 | 8 | 9 | 14·6 |
| Exchange | 219 | 11 | 5 | 15 | 8 | 17·8 |
| St. Anne's | 613 | 33 | 30 | 27 | 25 | 18·8 |
| Lime Street | 217 | 2 | 15 | 13 | 8 | 17·5 |
| Castle Street | 16 | .. | .. | 1 | .. | 6·3 |
| St. Peter's | 104 | 3 | 9 | 5 | 4 | 20·2 |
| Pitt Street | 184 | 4 | 17 | 5 | 5 | 16·8 |
| Great George | 246 | 11 | 4 | 10 | 8 | 13·4 |
| Rodney Street | 347 | 16 | 15 | 11 | 12 | 15·6 |
| Abercromby | 362 | 14 | 17 | 18 | 8 | 15·7 |
| Liverpool Workhouse Hospital | 1608 | 97 | 90 | 81 | 113 | 23·7 |
| Royal Infirmary | 259 | .. | 1 | 1 | .. | 0·8 |
| Children's Infirmary | 56 | 2 | 2 | 5 | 5 | 25·0 |
| Lying-in Hospital | .. | .. | .. | .. | .. | .. |
| Consumption Hospital | 12 | .. | .. | .. | .. | .. |
| North Hospital | 130 | 2 | .. | 1 | .. | 2·3 |
| Stanley Hospital | 58 | .. | .. | 1 | .. | 1·7 |
| Royal South Hospital | 140 | 2 | 3 | .. | 3 | 5·7 |
| Netherfield Road Hospital | 49 | 9 | 4 | 6 | 20 | 79·6 |
| West Derby Union Hospital | 265 | 4 | 6 | 5 | 21 | 13·6 |
| Everton | 2384 | 88 | 101 | 154 | 146 | 20·5 |
| Kirkdale | 1361 | 43 | 55 | 100 | 84 | 20·7 |
| West Derby | 1368 | 48 | 63 | 73 | 40 | 16·4 |
| North Toxteth | 1286 | 62 | 41 | 51 | 62 | 16·8 |
| South Toxteth | 1094 | 69 | 37 | 76 | 64 | 22·5 |
| Parish | 6813 | 288 | 309 | 364 | 341 | 19·1 |
| Out-Townships | 8005 | 325 | 310 | 466 | 440 | 19·3 |
| City | 14818 | 613 | 619 | 830 | 781 | 19·2 |

FEVER.

Fever accounted for 593 deaths within the City of Liverpool, or for 381 in the Parish and 212 in the Out-Townships, being an increase of 301 on the previous year. (The average number of deaths for the preceding ten years was 368). The rate of its mortality was equal to 1·1 per 1,000 of the estimated population. Its percentage rate relatively to deaths from all causes was 3·1 during the first, 3·5 during the second, 3·4 during the third, and 5·7 during the fourth quarter of the year. Its annual rate relatively to deaths from all causes

was 4·0 per cent., and relatively to deaths from zymotic causes 20·9 per cent. Its deaths included 302 males and 291 females; 114 persons below the age of 15, 169 between the ages of 15 and 30, and 310 above the age of 30.

Under the term Fever every form of continued fever is included; but the registers of deaths attribute 3 cases to gastric fever, 130 to typhoid fever, 39 to enteric fever, 14 to continued fever, 2 to febris, 383 to typhus, 15 to fever, 1 to spotted fever, 1 to remittent fever, 1 to brain fever, and under that of febricula 4 deaths.

The following tables are in themselves sufficiently explanatory. The first compares the averages of deaths from fever during the preceding ten years with those during 1882; the second and third tables show the districts of the town and the periods of the year in which all forms of continued fever were most fatally prevalent; the fourth marks in streets the habitats of the disease; and the remaining tables the occupations and positions of its victims.

| WARDS. | Exact Average of Fever Deaths for Pre- ceding Ten Years. | Deaths from Fever during the Year 1882. |
|-----------------------|--|---|
| Scotland..... | 40 | 35 |
| Vauxhall | 8 | 14 |
| St. Paul's | 6 | 6 |
| Exchange | 5 | 7 |
| St. Anne's | 15 | 17 |
| Lime Street | 5 | 1 |
| Castle Street..... | 1 | .. |
| St. Peter's | 3 | .. |
| Pitt Street..... | 5 | 4 |
| Great George..... | 6 | 2 |
| Rodney Street | 5 | 6 |
| Abercromby | 8 | 4 |
| Everton | 67 | 47 |
| Kirkdale | | 29 |
| West Derby | 21 | 25 |
| North Toxteth | 17 | 35 |
| South Toxteth | 21 | 26 |
| Hospital Deaths | 135 | 335 |
| Total | 368 | 593 |

In the above table the averages have been calculated without making allowance for increase of population.

DEATHS FROM FEVER DURING THE YEAR 1882.

| WARDS. | January. | | | | February. | | | | March. | | | | Quarter. | April. | | | | May. | | | | June. | | | | Jly. | Quarter. |
|---|----------|----|----|----|-----------|----|----|----|--------|----|----|----|----------|--------|----|----|----|------|----|----|----|-------|----|----|----|------|----------|
| | January. | | | | February. | | | | March. | | | | | April. | | | | May. | | | | June. | | | | | |
| | 7 | 14 | 21 | 28 | 4 | 11 | 18 | 25 | 4 | 11 | 18 | 25 | | 8 | 15 | 22 | 29 | 6 | 13 | 20 | 27 | 3 | 10 | 17 | 24 | 1 | |
| Scotland..... | 1 | | | 1 | | 1 | | | 4 | | 1 | 5 | 17 | 1 | 2 | | | | 1 | | 1 | | 3 | | 1 | 17 | |
| Vauxhall..... | 3 | 1 | | 1 | | | | | 1 | 1 | 3 | | 15 | | | 1 | | | 3 | | | 1 | | | 1 | 9 | |
| St. Paul's..... | | | | | | | | | | | | | 3 | | | | | | | | | | | | | 6 | |
| Exchange..... | 1 | | 1 | 1 | | | | | | | | 1 | 5 | | | | | | | | | | | | | 3 | |
| St. Anne's..... | 1 | | 2 | 1 | 2 | | 1 | | 1 | | 3 | 1 | 17 | 2 | | 4 | | | 1 | | | 1 | | | | 14 | |
| Lime Street..... | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Castle Street..... | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| St. Peter's..... | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Pitt Street..... | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | |
| Great George..... | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 | |
| Rodney Street..... | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Abercromby..... | 2 | | 2 | | 1 | 1 | | | 1 | 1 | | | 9 | | | | | | | 1 | | | | | | 2 | |
| Everton..... | 1 | 1 | 2 | | | 2 | 1 | 1 | 2 | | 3 | | 14 | 2 | 3 | | 1 | | 1 | 3 | | 1 | 2 | | | 23 | |
| Kirkdale..... | 1 | | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 2 | | | 1 | 2 | | | | | | | 12 | |
| West Derby..... | | | | | 1 | | | | | | | | 7 | | | 1 | 1 | | | | | | | | | 14 | |
| North Toxteth..... | | 1 | 1 | | | 1 | 1 | | | | | | 3 | | 1 | | | | 1 | 2 | | | | | | 6 | |
| South Toxteth..... | | | | | | 1 | | | 1 | 1 | | | 3 | | | | 3 | | | | | | | | | 5 | |
| Hospitals (Residences out of City)..... | | | 1 | 1 | | | | 2 | | | | | 6 | | | | 1 | | | | | | | | | 5 | |
| Hospitals (Residences unknown)..... | | | | | | | | | | | | | 1 | | | | | | | | | | | | | .. | |
| Total | 10 | 6 | 10 | 7 | 4 | 12 | 6 | 9 | 11 | 7 | 12 | 11 | 116 | 11 | 11 | 9 | 9 | 8 | 7 | 11 | 11 | 10 | 11 | 10 | 8 | 123 | |

| WARDS. | July. | | | | August. | | | | September. | | | | Quarter. | October. | | | | November. | | | | December. | | | | Year. | Quarter. |
|---|-------|----|----|----|---------|----|----|----|------------|----|----|----|----------|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------|----------|
| | July. | | | | August. | | | | September. | | | | | October. | | | | November. | | | | December. | | | | | |
| | 8 | 15 | 22 | 29 | 5 | 12 | 19 | 26 | 2 | 9 | 16 | 23 | | 30 | 7 | 14 | 21 | 28 | 4 | 11 | 18 | 25 | 2 | 9 | 16 | | |
| Scotland..... | .. | 3 | .. | 3 | 4 | 1 | 5 | 5 | 4 | 3 | 4 | 3 | 35 | 3 | 2 | 4 | 1 | .. | 1 | 3 | 2 | 2 | 3 | 2 | 5 | 5 | 101 |
| Vauxhall..... | .. | 2 | .. | 1 | .. | 3 | 1 | 1 | .. | 2 | 1 | 1 | 12 | .. | .. | 1 | 3 | .. | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 59 |
| St. Paul's..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 5 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 1 | 26 |
| Exchange..... | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 1 | 1 | 1 | 2 | .. | .. | .. | 3 | 2 | .. | 1 | 2 | .. | .. | .. | 1 | 1 | 14 |
| St. Anne's..... | 1 | 1 | .. | .. | .. | .. | 1 | .. | .. | 1 | .. | 1 | 6 | 1 | .. | .. | .. | 2 | .. | 1 | 2 | 1 | 1 | 2 | 3 | .. | 60 |
| Lime Street..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 4 |
| Castle Street..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Pitt Street..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 1 | .. | 1 | 4 | 2 | 1 | 3 | 1 | 19 |
| Great George..... | .. | .. | 1 | .. | .. | .. | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 1 | 1 | .. | 2 | 2 | .. | 6 |
| Rodney Street..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 3 | 1 | 1 | 2 | .. | .. | 17 |
| Abercromby..... | .. | .. | .. | .. | .. | .. | 2 | 1 | 2 | 2 | 2 | 1 | 5 | 3 | 1 | 3 | 4 | 1 | .. | .. | 6 | 2 | 5 | 3 | 2 | .. | 17 |
| Everton..... | .. | .. | .. | 1 | 3 | 3 | 2 | 1 | 1 | 1 | 1 | 3 | 19 | 19 | 1 | 3 | 2 | 1 | 1 | .. | .. | 2 | 2 | 3 | 2 | .. | 17 |
| Kirkdale..... | 1 | .. | .. | .. | 2 | 2 | .. | 1 | 1 | 1 | 1 | 2 | 11 | 11 | 1 | 1 | 2 | 1 | 3 | .. | .. | .. | 3 | 2 | .. | .. | 95 |
| West Derby..... | .. | 1 | 2 | .. | 2 | .. | .. | 1 | 1 | .. | .. | 1 | 8 | 8 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | .. | 3 | 1 | .. | .. | 48 |
| North Toxteth..... | .. | .. | .. | .. | .. | .. | 1 | 2 | 2 | .. | 1 | 1 | 4 | 1 | 1 | 3 | .. | 1 | 2 | .. | .. | .. | 1 | 1 | 1 | 1 | 38 |
| South Toxteth..... | 1 | 1 | .. | .. | .. | .. | .. | .. | 2 | 1 | .. | .. | 4 | 3 | .. | 2 | .. | 1 | 4 | .. | 1 | 1 | .. | 2 | 2 | .. | 37 |
| Hospitals (Residences out of City)..... | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 8 | .. | 1 | 1 | 1 | 1 | 2 | .. | 1 | 1 | .. | 2 | 2 | .. | 27 |
| Hospitals (Residences unknown) .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | 20 |
| Total | 3 | 8 | 4 | 5 | 11 | 9 | 12 | 10 | 11 | 11 | 11 | 10 | 119 | 11 | 14 | 17 | 14 | 14 | 21 | 13 | 23 | 18 | 19 | 16 | 31 | 24 | 593 |

In arranging this table, all Deaths occurring in Hospitals have been transferred to the Wards from whence they came.

DEATHS FROM FEVER.

| WARDS. | | | QUARTERS. | | | | | | | | YEAR. | | |
|---------------------------------------|--------------------|----|-----------|----|-------|----|-------|-----|-----|-----|-------|-----|-------|
| | | | March. | | June. | | Sept. | | Dec | | | | |
| | | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | TOTAL |
| Scotland | { Below 5 years .. | .. | 3 | .. | 2 | 1 | 1 | .. | 1 | 1 | 7 | 8 | |
| | { Above 5 years .. | .. | .. | 3 | 3 | 3 | 5 | 5 | 8 | 11 | 16 | 27 | |
| Vauxhall | { Below 5 years .. | 1 | .. | .. | 1 | .. | .. | .. | 1 | 1 | 2 | | |
| | { Above 5 years .. | 2 | 2 | .. | 3 | 2 | 2 | .. | 1 | 4 | 8 | 12 | |
| St. Paul's | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | .. | 1 | 1 | 1 | 1 | .. | 1 | 1 | 3 | 3 | 6 | |
| Exchange | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | .. | 2 | 1 | 1 | .. | 1 | 2 | .. | 3 | 4 | 7 | |
| St. Anne's | { Below 5 years .. | .. | .. | .. | .. | 1 | .. | .. | 1 | .. | 1 | .. | |
| | { Above 5 years .. | 3 | 2 | 1 | 2 | 1 | 1 | 4 | 2 | 9 | 7 | 16 | |
| Lime Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 1 | |
| Castle Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| St. Peter's | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Pitt Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | 2 | .. | 1 | .. | .. | .. | 1 | .. | 4 | .. | 4 | |
| Great George | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | 1 | 1 | .. | .. | .. | .. | .. | .. | 1 | 1 | 2 | |
| Rodney Street..... | { Below 5 years .. | .. | .. | .. | 1 | .. | .. | 1 | .. | 1 | 1 | 2 | |
| | { Above 5 years .. | .. | .. | 1 | .. | .. | 1 | 1 | 1 | 2 | 2 | 4 | |
| Abercromby..... | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | 1 | 1 | .. | .. | 1 | .. | .. | 1 | 2 | 2 | 4 | |
| Parish Workhouse and Hospitals | { Below 5 years .. | 1 | 1 | 1 | .. | .. | .. | 1 | .. | 3 | 1 | 4 | |
| | { Above 5 years .. | 36 | 27 | 32 | 28 | 26 | 30 | 59 | 43 | 153 | 128 | 281 | |
| Out-Township Workhouse and Hospitals. | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { Above 5 years .. | 2 | 3 | 2 | 2 | 2 | 3 | 21 | 15 | 27 | 23 | 50 | |
| Everton..... | { Below 5 years .. | .. | .. | 1 | .. | .. | .. | 1 | 1 | 2 | 1 | 3 | |
| | { Above 5 years .. | 3 | 2 | 6 | 3 | 4 | 10 | 7 | 9 | 20 | 24 | 44 | |
| Kirkdale | { Below 5 years .. | 2 | .. | .. | .. | .. | .. | 1 | .. | 3 | .. | 3 | |
| | { Above 5 years .. | 1 | 4 | 2 | 4 | 5 | 1 | 5 | 4 | 13 | 13 | 26 | |
| West Derby..... | { Below 5 years .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | 1 | |
| | { Above 5 years .. | 1 | 1 | 4 | 4 | 2 | 3 | 2 | 7 | 9 | 15 | 24 | |
| North Toxteth | { Below 5 years .. | 1 | 1 | .. | .. | 1 | .. | 5 | 1 | 7 | 2 | 9 | |
| | { Above 5 years .. | .. | 5 | 5 | 1 | .. | 3 | 6 | 6 | 11 | 15 | 26 | |
| South Toxteth..... | { Below 5 years .. | .. | 1 | .. | .. | .. | 1 | .. | 1 | .. | 3 | 3 | |
| | { Above 5 years .. | 1 | 1 | 2 | 3 | 2 | 5 | 4 | 5 | 9 | 14 | 23 | |
| Parish | { Below 5 years .. | 2 | 4 | 1 | 4 | 2 | 1 | 2 | 1 | 7 | 10 | 17 | |
| | { Above 5 years .. | 45 | 36 | 40 | 38 | 34 | 40 | 74 | 57 | 193 | 171 | 364 | |
| Out-Townships | { Below 5 years .. | 3 | 2 | 2 | .. | 1 | 1 | 7 | 3 | 13 | 6 | 19 | |
| | { Above 5 years .. | 8 | 16 | 21 | 17 | 15 | 25 | 45 | 46 | 89 | 104 | 193 | |
| City | { Below 5 years .. | 5 | 6 | 3 | 4 | 3 | 2 | 9 | 4 | 20 | 16 | 36 | |
| | { Above 5 years .. | 53 | 52 | 61 | 55 | 49 | 65 | 119 | 103 | 282 | 275 | 557 | |

List of Streets in the City wherein Two or more Deaths from Fever occurred during the Year 1882.

PARISH.

| STREETS IN THE PARISH. | HOUSES. | | Total. | STREETS IN THE PARISH. | HOUSES. | | Total. |
|-----------------------------------|---------|--------|--------|------------------------|---------|--------|--------|
| | Front. | Court. | | | Front. | Court. | |
| Addison | 2 | .. | 2 | Nash | .. | 2 | 2 |
| Ben Johnson | 3 | 4 | 7 | Naylor | .. | 3 | 3 |
| Blackstock | .. | 2 | 2 | Oriel | .. | 4 | 4 |
| Carlton | 10 | 9 | 19 | Paul | 1 | 2 | 3 |
| Cavendish | 3 | 1 | 4 | Peach | 3 | .. | 3 |
| Cazneau | 4 | .. | 4 | Pickop | 1 | 1 | 2 |
| Chadwick | 1 | 3 | 4 | Pitt | 4 | .. | 4 |
| Chapel Lane | 1 | 2 | 3 | Portland Place | 4 | .. | 4 |
| Charters | 1 | 3 | 4 | Portland | 2 | .. | 2 |
| Cherry Lane | 2 | .. | 2 | Pownall Square | 1 | 2 | 3 |
| Chisenhale | 2 | .. | 2 | Redmond Place | 3 | 3 | 6 |
| Circus | 4 | .. | 4 | Regent | 2 | 2 | 4 |
| Clement | 2 | .. | 2 | Rice | .. | 2 | 2 |
| Comus | .. | 3 | 3 | Rose Place | 1 | 1 | 2 |
| Cuerden | 1 | 2 | 3 | St. Andrew | 3 | .. | 3 |
| Darwen | 2 | .. | 2 | Saltney | 1 | 1 | 2 |
| Dryden | .. | 4 | 4 | Sawneypope | 6 | 1 | 7 |
| Duckinfield | 2 | 2 | 4 | Scotland Road | 2 | .. | 2 |
| Eaton | .. | 3 | 3 | Silvester | 3 | .. | 3 |
| Egerton | 2 | .. | 2 | Slade | 1 | 1 | 2 |
| Eldon Place | 2 | .. | 2 | Sparling | 5 | .. | 5 |
| Ford | 1 | 1 | 2 | Tatlock | 1 | 1 | 2 |
| Frederick | 3 | .. | 3 | ThurLOW | 2 | 1 | 3 |
| Gerard | 7 | .. | 7 | Trueman | 2 | .. | 2 |
| Gt. Howard | 2 | .. | 2 | Upper Frederick | 5 | .. | 5 |
| Grosvenor | 2 | .. | 2 | Upper Milk | .. | 2 | 2 |
| Hodson | .. | 2 | 2 | Vauxhall Road | 2 | 3 | 5 |
| Hopwood | 2 | .. | 2 | Wellington | 2 | .. | 2 |
| Hornby | .. | 2 | 2 | Westmoreland | 3 | .. | 3 |
| Leander | 2 | .. | 2 | Whitley | .. | 4 | 4 |
| Lower Milk | 2 | .. | 2 | Woodstock | 1 | 1 | 2 |
| Maguire | .. | 2 | 2 | | | | |
| Marlborough | 3 | .. | 3 | | | | |
| Marybone | 2 | .. | 2 | | | | |
| Mersey | .. | 2 | 2 | | | | |
| Midghall Lane | 2 | .. | 2 | | | | |
| Midghall | .. | 2 | 2 | | | | |
| Mile End | 1 | 1 | 2 | | | | |
| Milton | 2 | 4 | 6 | | | | |
| Mount View, Rathbone Street | 1 | 2 | 3 | | | | |

List of Streets in the City wherein Two or more Deaths from Fever occurred during the Year 1882—Continued.
OUT-TOWNSHIPS.

| STREETS IN THE OUT-TOWNSHIPS. | HOUSES. | | Total. | STREETS IN THE OUT-TOWNSHIPS. | HOUSES. | | Total. |
|-------------------------------|---------|--------|--------|-------------------------------|---------|--------|--------|
| | Front. | Court. | | | Front. | Court. | |
| Arkwright | 1 | 1 | 2 | Jenkinson | 1 | 3 | 4 |
| Arlington | 2 | .. | 2 | Lancaster | 3 | .. | 3 |
| Beatrice | 3 | .. | 3 | Llanrwst | .. | 2 | 2 |
| Beaufort | 2 | .. | 2 | Lowndes | 4 | .. | 4 |
| Beresford | .. | 2 | 2 | Major | 2 | .. | 2 |
| Blucher | 1 | 1 | 2 | Mann | 4 | 7 | 11 |
| Boaler | 2 | .. | 2 | Mark | 2 | .. | 2 |
| Brindley | .. | 2 | 2 | Marwood | 2 | .. | 2 |
| Chapman | 1 | 2 | 3 | Netherfield Road North | 3 | .. | 3 |
| Christopher | .. | 2 | 2 | Prescot | 2 | .. | 2 |
| Combermere | 1 | 2 | 3 | Prince Edwin | .. | 3 | 3 |
| Dalton | .. | 3 | 3 | Prince William | .. | 2 | 2 |
| Elias | 2 | .. | 2 | Rankin | 3 | .. | 3 |
| Essex | 3 | .. | 3 | Rishton | 2 | .. | 2 |
| Everton Terrace | 2 | .. | 2 | Robsart | 2 | .. | 2 |
| Fernie | 1 | 2 | 3 | Salisbury | 2 | .. | 2 |
| Fletcher | 2 | .. | 2 | Shaw | 2 | .. | 2 |
| Garibaldi | 4 | .. | 4 | Stancliffe | 2 | .. | 2 |
| Glover | 2 | 1 | 3 | Stanhope | 1 | 2 | 3 |
| Gordon | 9 | .. | 9 | Star | 2 | .. | 2 |
| Grafton | 3 | .. | 3 | Summer Gardens | 2 | .. | 2 |
| Haliburton | 3 | .. | 3 | Warwick | 2 | 1 | 3 |
| Henderson | 1 | 2 | 3 | Wolfe | 4 | 1 | 5 |
| Hill | 2 | .. | 2 | Worthington | 1 | 1 | 2 |
| Howe | 4 | .. | 4 | | | | |
| Hygeia | 1 | 2 | 3 | | | | |

Occupations of Persons who (either themselves or members of their family) have died from Fever in the Workhouses or Hospitals of the City, tabulated into Wards from whence they came, during the Year 1882.
LIVERPOOL PARISH WORKHOUSE.

| OCCUPATIONS. | WARDS. | | | | | | | | | | | | | | Residences outside the City. | Residences unknown. | TOTAL. | |
|---------------------|-----------|-----------|-------------|-----------|-------------|--------------|----------------|--------------|--------------|---------------|----------------|-------------|----------|-----------|---------------------------------|---------------------|--------|-------------|
| | Scotland. | Vauxhall. | St. Paul's. | Exchange. | St. Anne's. | Lime Street. | Castle Street. | St. Peter's. | Pitt Street. | Great George. | Rodney Street. | Abercromby. | Everton. | Kirkdale. | | | | West Derby. |
| Labourers | 46 | 29 | 14 | 3 | 24 | 2 | .. | .. | 5 | 2 | .. | 5 | 14 | 10 | 2 | 9 | .. | 165 |
| Tradesmen | 8 | 6 | 4 | 4 | 16 | 1 | .. | .. | 3 | .. | 6 | 7 | 13 | 3 | 3 | 4 | 1 | 79 |
| Servants | 1 | 6 | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | 1 | 1 | .. | 3 | .. | .. | 14 |
| Seamen | 6 | .. | 1 | .. | 1 | .. | .. | 1 | 5 | 2 | .. | .. | 1 | .. | 1 | .. | .. | 18 |
| Unknown | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | 1 | 1 | 5 |
| Males | 36 | 20 | 11 | 5 | 22 | 2 | .. | .. | 10 | 3 | 4 | 7 | 14 | 9 | 4 | 5 | 2 | 154 |
| Females | 25 | 21 | 8 | 2 | 20 | 1 | .. | 1 | 4 | 1 | 3 | 6 | 15 | 5 | 6 | 9 | .. | 127 |
| Total | 61 | 41 | 19 | 7 | 42 | 3 | .. | 1 | 14 | 4 | 7 | 13 | 29 | 14 | 10 | 14 | | 281 |

ROYAL INFIRMARY.

One Male, a Seaman, residence in Runcorn.

CHILDREN'S INFIRMARY.

One Female, daughter of a Tradesman, residence in Rodney St. Ward.

One Female, daughter of a Tradesman, residence in Kirkdale.

One Male, son of a Tradesman, residence in Kirkdale.

ROYAL SOUTHERN HOSPITAL.

One Female, residence in South Toxteth Ward.

WEST DERBY UNION WORKHOUSE HOSPITAL (MILL ROAD).

| OCCUPATIONS. | WARDS. | | | Residences outside the City. | Residence unknown. | TOTAL. |
|-----------------|----------|-----------|-------------|------------------------------|--------------------|--------|
| | Everton. | Kirkdale. | West Derby. | | | |
| Labourers | 9 | .. | 1 | 4 | 1 | 15 |
| Tradesmen | 3 | .. | .. | .. | .. | 3 |
| Servants | 1 | .. | 1 | .. | .. | 2 |
| Males | 7 | .. | 1 | 3 | 1 | 12 |
| Females | 6 | .. | 1 | 1 | .. | 8 |
| Total | 13 | .. | 2 | 4 | 1 | 20 |

EVERTON HOSPITAL (NETHERFIELD ROAD).

| OCCUPATIONS. | WARDS. | | | | | | | | Residence outside the City. | Residence unknown. | TOTAL. |
|----------------------------------|-----------|-----------|-------------|-------------|--------------|----------------|----------|-----------|-----------------------------|--------------------|--------|
| | Scotland. | Vauxhall. | St. Paul's. | St. Anne's. | Pitt Street. | Rodney Street. | Everton. | Kirkdale. | West Derby. | North Toxteth. | |
| Labourers | 1 | 3 | .. | .. | .. | .. | 1 | 1 | .. | .. | 6 |
| Tradesmen | 3 | .. | .. | 1 | 1 | 3 | 2 | 1 | .. | 1 | 13 |
| Professions and Mercantile | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 |
| Servants | .. | .. | 1 | .. | .. | .. | 1 | .. | .. | .. | 2 |
| Seamen | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 3 |
| Police Constables | .. | 1 | .. | .. | .. | .. | .. | .. | 1 | 1 | 3 |
| Nurses | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 |
| Males | 3 | 3 | .. | .. | .. | 1 | 1 | 2 | 1 | 2 | 15 |
| Females | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 1 | .. | .. | 14 |
| Total | 5 | 4 | 1 | 1 | 1 | 3 | 6 | 3 | 1 | 2 | 29 |

Occupations of Persons who (either themselves or members of their family) have died from Fever in the different Wards of the City during the Year 1882. (Not included in the foregoing Tables of Deaths in Work-houses and Hospitals.)

| OCCUPATIONS. | WARDS. | | | | | | | | | | | | | | | | | TOTAL. |
|----------------------------------|-----------|----------|------------|-----------|-------------|--------------|----------------|--------------|--------------|---------------|----------------|-------------|----------|-----------|-------------|----------------|----------------|--------|
| | Scotland. | Vauxhall | St Paul's. | Exchange. | St. Anne's. | Lime Street. | Castle Street. | St. Peter's. | Pitt Street. | Great George. | Rodney Street. | Abercromby. | Everton. | Kirkdale. | West Derby. | North Toxteth. | South Toxteth. | |
| Labourers | 17 | 7 | 2 | 5 | 11 | .. | .. | .. | .. | 1 | 1 | .. | 15 | 13 | 7 | 16 | 12 | 107 |
| Tradesmen | 12 | 7 | 3 | 2 | 6 | 1 | .. | .. | 4 | 1 | 5 | 2 | 24 | 6 | 15 | 18 | 9 | 115 |
| Seamen | 4 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 | 6 | .. | 1 | 4 | 19 |
| Professions and Mercantile | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 5 | 3 | 2 | .. | 1 | 13 |
| Servants | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 2 |
| Soldiers | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 2 |
| Males | 12 | 5 | 3 | 3 | 10 | 1 | .. | .. | 4 | 1 | 3 | 2 | 22 | 16 | 10 | 18 | 9 | 119 |
| Females | 23 | 9 | 3 | 4 | 7 | .. | .. | .. | .. | 1 | 3 | 2 | 25 | 13 | 15 | 17 | 17 | 139 |
| Total | 35 | 14 | 6 | 7 | 17 | 1 | .. | .. | 4 | 2 | 6 | 4 | 47 | 29 | 25 | 35 | 26 | 258 |

TOXTETH WORKHOUSE.

Not included in the Mortality of the City, being beyond the Municipal Boundaries.

| OCCUPATIONS. | WARDS. | | | Residence outside the City. | Residences unknown. | Total. |
|-----------------|---------------|----------------|----------------|-----------------------------|---------------------|--------|
| | Great George. | North Toxteth. | South Toxteth. | | | |
| Labourers | .. | 12 | 18 | .. | .. | 30 |
| Tradesmen..... | .. | 5 | 11 | .. | .. | 16 |
| Servants..... | .. | 2 | 1 | .. | .. | 3 |
| Seamen | 1 | 1 | 3 | .. | 1 | 6 |
| Unknown | .. | .. | 1 | 1 | 1 | 3 |
| Males | 1 | 13 | 18 | .. | .. | 32 |
| Females | .. | 7 | 16 | 1 | 2 | 26 |
| Total | 1 | 20 | 34 | 1 | 2 | 58 |

SCARLATINA.

Scarlatina accounted during the year for 380 deaths, or for 154 in the Parish, and 226 in the Out-townships. (The average number of deaths for the preceding ten years was 586). The rate of its mortality was equal to 0·7 per 1,000 of the estimated population. Its rate relatively to deaths

from all causes was 3·0 per cent. in the first quarter, 2·4 in the second, 1·9 in the third, and 2·9 in the fourth quarter of the year; its annual rate relatively to all deaths was 2·6 per cent., and relatively to deaths from zymotic causes 13·4 per cent.

The first of the following tables gives a statistical history of the mortality of Scarlatina during the year 1882; the second is a record of the streets of the City wherein 3 or more deaths occurred from that disease.

| WARDS. | | | QUARTERS. | | | | | | | | YEAR. | | |
|---------------------------------------|---|------------------|-----------|----|-------|----|-------|----|------|----|-------|-----|--------|
| | | | March. | | June. | | Sept. | | Dec. | | | | |
| | | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { | Below 5 years .. | 1 | 7 | 4 | 1 | 4 | 6 | 4 | 11 | 13 | 25 | 38 |
| | { | Above 5 years .. | 3 | 4 | 3 | .. | 3 | 1 | 4 | 5 | 13 | 10 | 23 |
| Vauxhall | { | Below 5 years .. | 2 | .. | 1 | .. | 1 | .. | 1 | 1 | 5 | 1 | 6 |
| | { | Above 5 years .. | 1 | .. | .. | 2 | .. | .. | .. | .. | 1 | 2 | 3 |
| St. Paul's | { | Below 5 years .. | .. | .. | 1 | 2 | .. | .. | .. | .. | 1 | 2 | 3 |
| | { | Above 5 years .. | 1 | .. | 1 | .. | .. | 1 | .. | .. | 2 | 1 | 3 |
| Exchange | { | Below 5 years .. | 1 | 1 | .. | .. | .. | 1 | 2 | .. | 3 | 2 | 5 |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Anne's | { | Below 5 years .. | 3 | 2 | 1 | .. | .. | 1 | 1 | 2 | 5 | 5 | 10 |
| | { | Above 5 years .. | 1 | 1 | 1 | 1 | .. | 2 | 3 | .. | 5 | 4 | 9 |
| Lime Street | { | Below 5 years .. | .. | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 2 |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | 2 | 2 |
| Castle Street | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | 1 |
| | { | Above 5 years .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| Pitt Street | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | 1 | 1 | 1 | 1 | 2 |
| | { | Above 5 years .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Great George | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | 2 | .. | 2 | .. | 2 |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Rodney Street | { | Below 5 years .. | 1 | 1 | .. | 1 | 1 | 1 | .. | 2 | 2 | 5 | 7 |
| | { | Above 5 years .. | .. | .. | 1 | .. | .. | .. | 1 | 3 | 2 | 3 | 5 |
| Abercromby | { | Below 5 years .. | 1 | .. | 1 | 1 | .. | .. | 1 | .. | 3 | 1 | 4 |
| | { | Above 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 |
| Parish Workhouse and Hospitals | { | Below 5 years .. | 2 | .. | 6 | 3 | 3 | 2 | .. | 1 | 11 | 6 | 17 |
| | { | Above 5 years .. | .. | 2 | 1 | 1 | 2 | 3 | .. | .. | 3 | 6 | 9 |
| Out-Township Workhouse and Hospitals. | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | 1 | 1 | 1 | 1 | 2 |
| | { | Above 5 years .. | 1 | 1 | 1 | 1 | .. | .. | 1 | 1 | 3 | 3 | 6 |
| Everton | { | Below 5 years .. | 6 | 12 | 5 | 8 | 2 | 4 | 4 | 10 | 17 | 34 | 51 |
| | { | Above 5 years .. | 5 | 3 | 4 | 2 | 1 | 2 | 1 | 4 | 11 | 11 | 22 |
| Kirkdale | { | Below 5 years .. | 2 | 3 | 3 | 1 | 1 | 2 | 3 | 5 | 9 | 11 | 20 |
| | { | Above 5 years .. | .. | 2 | .. | 1 | 1 | .. | 1 | .. | 2 | 3 | 5 |
| West Derby | { | Below 5 years .. | 4 | 3 | 3 | 2 | 2 | 4 | 4 | 3 | 13 | 12 | 25 |
| | { | Above 5 years .. | 2 | 1 | 1 | 2 | .. | 1 | 3 | 2 | 6 | 6 | 12 |
| North Toxteth | { | Below 5 years .. | 3 | 4 | 2 | 1 | 1 | 2 | 5 | 1 | 11 | 8 | 19 |
| | { | Above 5 years .. | 3 | 3 | 1 | 1 | .. | 1 | .. | 1 | 4 | 6 | 10 |
| South Toxteth | { | Below 5 years .. | 6 | 6 | 5 | 3 | 4 | 1 | 7 | 4 | 22 | 14 | 36 |
| | { | Above 5 years .. | 2 | 3 | .. | 1 | 3 | 1 | 5 | 3 | 10 | 8 | 18 |
| Parish | { | Below 5 years .. | 11 | 11 | 15 | 9 | 9 | 11 | 12 | 19 | 47 | 50 | 97 |
| | { | Above 5 years .. | 6 | 8 | 8 | 5 | 5 | 7 | 8 | 10 | 27 | 30 | 57 |
| Out-Townships | { | Below 5 years .. | 21 | 28 | 18 | 15 | 10 | 13 | 24 | 24 | 73 | 80 | 153 |
| | { | Above 5 years .. | 13 | 13 | 7 | 8 | 5 | 5 | 11 | 11 | 36 | 37 | 73 |
| City | { | Below 5 years .. | 32 | 39 | 33 | 24 | 19 | 24 | 36 | 43 | 120 | 130 | 250 |
| | { | Above 5 years .. | 19 | 21 | 15 | 13 | 10 | 12 | 19 | 21 | 63 | 67 | 130 |

List of Streets in the City wherein Three or more Deaths from
Scarlatina occurred during the Year 1882.

| STREETS IN THE PARISH. | HOUSES. | | Total. | STREETS IN THE OUT- TOWNSHIPS. | HOUSES. | | Total |
|---------------------------|---------|--------|--------|-----------------------------------|---------|--------|-------|
| | Front. | Court. | | | Front. | Court. | |
| Carlton | .. | 4 | 4 | Aspinall | 4 | .. | 4 |
| Chatham | 3 | .. | 3 | Beaufort | 4 | .. | 4 |
| Christian | .. | 5 | 5 | Beresford Road | 3 | .. | 3 |
| Great Howard | 5 | .. | 5 | Black Bull Lane | 3 | .. | 3 |
| Lithotimer | 3 | .. | 3 | Bosnia | 3 | .. | 3 |
| Midghall | 2 | 2 | 4 | Bunyan | 3 | .. | 3 |
| Roscoe | .. | 3 | 3 | China | 3 | .. | 3 |
| Sherwood | 3 | .. | 3 | Eden | 3 | .. | 3 |
| Steel | 4 | .. | 4 | Everton Brow | 3 | .. | 3 |
| | | | | Grafton | 6 | 1 | 7 |
| | | | | Henderson | 2 | 1 | 3 |
| | | | | High Park | 3 | .. | 3 |
| | | | | Hyslop | .. | 3 | 3 |
| | | | | Low Wood | 1 | 2 | 3 |
| | | | | Mann | 1 | 5 | 6 |
| | | | | Northumberland | 1 | 3 | 4 |
| | | | | Opie | 3 | .. | 3 |

MEASLES

Occasioned 410 deaths, of which 144 occurred in the Parish, and 266 in the Out-Townships. (The average number of deaths for the preceding ten years was 420.) Its percentage death-rate relatively to deaths from all causes was 3·4 in the first quarter of the year, 2·8 in the second, 1·6 in the third, and 3·2 in the fourth. Its annual percentage rate relatively to deaths from all causes was 2·8, and relatively to deaths from Zymotic causes 14·4.

| WARDS. | | QUARTERS. | | | | | | | | YEAR. | | |
|---|--------------------|-----------|----|-------|----|-------|----|------|----|-------|-----|--------|
| | | March. | | June. | | Sept. | | Dec. | | | | |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { Below 5 years .. | 11 | 3 | 5 | 3 | 3 | .. | 18 | 8 | 37 | 14 | 51 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | 1 | 2 | .. | 2 | 1 | 3 |
| Vauxhall | { Below 5 years .. | 6 | 3 | .. | .. | .. | .. | .. | .. | 6 | 3 | 9 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Paul's | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Exchange | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Anne's | { Below 5 years .. | 3 | 2 | 6 | 5 | .. | .. | 3 | .. | 12 | 7 | 19 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Lime Street | { Below 5 years .. | .. | .. | 1 | .. | 1 | .. | .. | .. | 2 | .. | 2 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Castle Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's | { Below 5 years .. | .. | .. | .. | 2 | 3 | .. | .. | .. | 3 | 2 | 5 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Pitt Street | { Below 5 years .. | .. | .. | 6 | 3 | .. | .. | .. | .. | 6 | 3 | 9 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Great George | { Below 5 years .. | 1 | 3 | .. | .. | .. | 1 | .. | .. | 1 | 4 | 5 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Rodney Street | { Below 5 years .. | 2 | 4 | 2 | .. | .. | .. | .. | .. | 4 | 4 | 8 |
| | { Above 5 years .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Abercromby | { Below 5 years .. | 1 | 3 | 2 | .. | 1 | .. | 1 | .. | 5 | 3 | 8 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Parish Workhouse and Hospitals | { Below 5 years .. | 3 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 12 | 8 | 20 |
| | { Above 5 years .. | .. | .. | 2 | .. | 1 | .. | .. | .. | 3 | .. | 3 |
| Out-Township Workhouse and Hospitals .. | { Below 5 years .. | .. | .. | .. | 1 | .. | 2 | .. | .. | .. | 3 | 3 |
| | { Above 5 years .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Everton | { Below 5 years .. | 6 | 4 | 10 | 9 | 4 | 9 | 27 | 28 | 47 | 50 | 97 |
| | { Above 5 years .. | .. | 1 | 1 | .. | 1 | 1 | 3 | 3 | 5 | 5 | 10 |
| Kirkdale | { Below 5 years .. | 9 | 4 | 3 | 3 | .. | 3 | 11 | 11 | 23 | 21 | 44 |
| | { Above 5 years .. | .. | 1 | .. | .. | 1 | .. | 3 | .. | 4 | 1 | 5 |
| West Derby | { Below 5 years .. | 4 | 4 | 9 | 8 | 5 | 8 | 2 | 1 | 20 | 21 | 41 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| North Toxteth | { Below 5 years .. | 10 | 5 | 2 | 3 | 3 | 1 | 2 | .. | 17 | 9 | 26 |
| | { Above 5 years .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | 2 | 2 |
| South Toxteth | { Below 5 years .. | 12 | 10 | 4 | 1 | 2 | 1 | 1 | 2 | 19 | 14 | 33 |
| | { Above 5 years .. | 2 | 1 | .. | .. | .. | 1 | .. | .. | 2 | 2 | 4 |
| Parish | { Below 5 years .. | 27 | 20 | 27 | 15 | 10 | 3 | 24 | 10 | 88 | 48 | 136 |
| | { Above 5 years .. | 2 | .. | 2 | .. | 1 | 1 | 2 | .. | 7 | 1 | 8 |
| Out-Townships | { Below 5 years .. | 41 | 27 | 28 | 25 | 14 | 24 | 43 | 42 | 126 | 118 | 244 |
| | { Above 5 years .. | 3 | 5 | 1 | .. | 2 | 2 | 6 | 3 | 12 | 10 | 22 |
| City | { Below 5 years .. | 68 | 47 | 55 | 40 | 24 | 27 | 67 | 52 | 214 | 166 | 380 |
| | { Above 5 years .. | 5 | 5 | 3 | .. | 3 | 3 | 8 | 3 | 19 | 11 | 30 |

DIARRHŒA

Accounted for 587 deaths, or for 284 in the Parish, and 303 in the Out-townships. (The average number of deaths for the preceding ten years was 784). Its percentage death-rate relatively to deaths from all causes was 1·5 in the first quarter of the year, 1·8 in the second, 11·3 in the third, and 1·8 in the fourth quarter. Its annual percentage rate relatively to deaths from all causes was 4·0, and relatively to deaths from Zymotic causes 20·6.

| WARDS. | | QUARTERS. | | | | | | | | YEAR. | | |
|---|--------------------|-----------|----|-------|----|-------|-----|------|----|-------|-----|-------|
| | | March. | | June. | | Sept. | | Dec. | | | | |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total |
| Scotland | { Below 5 years .. | 3 | 4 | 6 | 6 | 38 | 34 | 8 | 5 | 55 | 49 | 104 |
| | { Above 5 years .. | .. | 3 | .. | .. | 2 | 1 | .. | 2 | 2 | 6 | 8 |
| Vauxhall | { Below 5 years .. | .. | 1 | .. | 6 | 10 | 10 | 1 | .. | 11 | 17 | 28 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| St. Paul's | { Below 5 years .. | .. | .. | 2 | .. | 3 | 2 | 1 | .. | 6 | 2 | 8 |
| | { Above 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 |
| Exchange | { Below 5 years .. | 1 | 1 | 1 | .. | 4 | 5 | .. | .. | 6 | 6 | 12 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| St. Anne's | { Below 5 years .. | 2 | 1 | .. | 2 | 11 | 8 | 2 | 4 | 15 | 15 | 30 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| Lime Street | { Below 5 years .. | 1 | .. | 1 | 1 | 3 | 1 | 1 | .. | 6 | 2 | 8 |
| | { Above 5 years .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | .. | 1 |
| Castle Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's | { Below 5 years .. | .. | 1 | .. | 1 | 1 | .. | .. | 2 | 1 | 4 | 5 |
| | { Above 5 years .. | .. | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 2 |
| Pitt Street | { Below 5 years .. | .. | .. | .. | .. | 4 | 1 | 1 | .. | 5 | 1 | 6 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Great George | { Below 5 years .. | 1 | 1 | .. | .. | 5 | 2 | .. | 1 | 6 | 4 | 10 |
| | { Above 5 years .. | 1 | .. | .. | .. | .. | 1 | .. | .. | 1 | 1 | 2 |
| Rodney Street | { Below 5 years .. | .. | .. | .. | 2 | 5 | 1 | 2 | 1 | 7 | 4 | 11 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Abercromby | { Below 5 years .. | .. | 2 | 1 | 2 | 5 | 5 | 1 | .. | 7 | 9 | 16 |
| | { Above 5 years .. | .. | .. | .. | 1 | 1 | .. | .. | 1 | 1 | 2 | 3 |
| Parish Workhouse and Hospitals | { Below 5 years .. | 3 | 3 | 2 | 3 | .. | 4 | .. | .. | 5 | 10 | 15 |
| | { Above 5 years .. | 2 | 3 | .. | .. | 2 | 1 | 2 | 1 | 6 | 5 | 11 |
| Out-Township Workhouse and Hospitals .. | { Below 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | 1 | .. | .. | .. | .. | .. | 1 | .. | 2 | .. | 2 |
| Everton | { Below 5 years .. | 2 | 3 | 3 | 2 | 33 | 29 | 5 | 6 | 43 | 40 | 83 |
| | { Above 5 years .. | .. | 2 | .. | 1 | 1 | 3 | .. | .. | 1 | 6 | 7 |
| Kirkdale | { Below 5 years .. | .. | .. | 1 | .. | 27 | 26 | 1 | 3 | 29 | 29 | 58 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 2 | 2 |
| West Derby | { Below 5 years .. | 3 | 2 | 2 | 1 | 13 | 18 | 2 | 3 | 20 | 24 | 44 |
| | { Above 5 years .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | .. | 1 |
| North Toxteth | { Below 5 years .. | 1 | 1 | 5 | 4 | 12 | 13 | 3 | 7 | 21 | 25 | 46 |
| | { Above 5 years .. | .. | .. | .. | 1 | .. | .. | 1 | .. | 1 | 1 | 2 |
| South Toxteth | { Below 5 years .. | 3 | 2 | 1 | 4 | 17 | 24 | 2 | 2 | 23 | 32 | 55 |
| | { Above 5 years .. | .. | .. | .. | .. | 1 | 1 | .. | .. | 1 | 1 | 2 |
| Parish | { Below 5 years .. | 11 | 14 | 13 | 23 | 89 | 73 | 17 | 13 | 130 | 123 | 253 |
| | { Above 5 years .. | 3 | 6 | 1 | 3 | 6 | 6 | 2 | 4 | 12 | 19 | 31 |
| Out-Townships | { Below 5 years .. | 9 | 8 | 12 | 11 | 102 | 111 | 13 | 21 | 136 | 151 | 287 |
| | { Above 5 years .. | 1 | 2 | .. | 2 | 3 | 5 | 2 | 1 | 6 | 10 | 16 |
| City | { Below 5 years .. | 20 | 22 | 25 | 34 | 191 | 184 | 30 | 34 | 266 | 274 | 540 |
| | { Above 5 years .. | 4 | 8 | 1 | 5 | 9 | 11 | 4 | 5 | 18 | 29 | 47 |

List of Streets in the City wherein Three or more Deaths from

Diarrhœa occurred during the Year 1882

| STREETS IN THE PARISH. | HOUSES. | | Total. | STREETS IN THE OUT-TOWNSHIPS. | HOUSES. | | Total. |
|------------------------|---------|--------|--------|-------------------------------|---------|--------|--------|
| | Front. | Court. | | | Front. | Court. | |
| Arley | .. | 3 | 3 | Arkwright | 2 | 1 | 3 |
| Birkett | 4 | .. | 4 | Beaufort | 3 | .. | 3 |
| Bispham | .. | 3 | 3 | Brasenose Road..... | 5 | .. | 5 |
| Bostock | 2 | 1 | 3 | Clive.. | 1 | 2 | 3 |
| Burlington | 2 | 1 | 3 | Elias | 3 | .. | 3 |
| Cazneau | .. | 3 | 3 | Essex | 3 | .. | 3 |
| Chisenhale.. | 2 | 5 | 7 | Forth | 3 | .. | 3 |
| Circus | 2 | 1 | 3 | Gordon | 3 | .. | 3 |
| Dalrymple | 3 | .. | 3 | Grafton | 3 | 2 | 5 |
| Dryden | 3 | 1 | 4 | Leyden | 4 | .. | 4 |
| Eldon | .. | 3 | 3 | Low Hill | .. | 3 | 3 |
| Henry Edward | 2 | 1 | 3 | Mann | 2 | 1 | 3 |
| Hornby | 1 | 5 | 6 | Pansy | 3 | .. | 3 |
| Kew | 1 | 2 | 3 | Park Road | 3 | .. | 3 |
| Naylor | .. | 3 | 3 | Pecksniff | 3 | .. | 3 |
| Raymond | 2 | 1 | 3 | Prince Edwin | 2 | 1 | 3 |
| Richmond Row..... | 2 | 2 | 4 | Reading | 3 | .. | 3 |
| Roscoe Lane | 1 | 2 | 3 | Robsart | 4 | 1 | 5 |
| Rose Place | 1 | 2 | 3 | Rosalind..... | 4 | .. | 4 |
| Saltney | .. | 3 | 3 | Roscommon | 2 | 1 | 3 |
| Steel | 3 | .. | 3 | | | | |
| Thurlow | 1 | 2 | 3 | | | | |
| Upper Frederick | 2 | 1 | 3 | | | | |

DIARRHOEA IN DATES OF DEATH, 1882.

| DATE. June. | No. of Deaths. | Mean Reading of Barometer. | Mean Tempe- rature. | RAIN. | | WIND. | |
|----------------|----------------------|-------------------------------------|---------------------------|----------------------|--------|--|------------|
| | | | | Amount in Inches. | Hours. | Mean Daily Velocity in Miles. | DIRECTION. |
| 1 | 1 | 30·315 | 56·4 | .. | .. | 437 | E & SE |
| 2 | 1 | 30·116 | 56·3 | 0·142 | 3·3 | 561 | E |
| 3 | .. | 29·823 | 56·2 | 0·232 | 3·5 | 152 | W & Var. |
| 4 | 1 | 29·561 | 56·7 | 0·444 | 4·5 | 372 | SW & Var. |
| 5 | 2 | 29·562 | 57·3 | 0·180 | 2·9 | 491 | SW & S |
| 6 | 1 | 29·561 | 57·6 | 0·058 | 0·8 | 541 | SW |
| 7 | .. | 29·682 | 56·1 | 0·020 | 0·2 | 569 | W & SW |
| 8 | 1 | 29·671 | 52·8 | 0·530 | 8·5 | 386 | WSW & Var. |
| 9 | .. | 29·366 | 53·7 | 0·042 | 1·0 | 665 | W |
| 10 | 1 | 29·712 | 53·9 | 0·003 | 0·2 | 691 | NW & W |
| 11 | 2 | 29·958 | 50·3 | 0·138 | 1·1 | 696 | W & NW |
| 12 | 3 | 29·820 | 48·8 | 0·037 | 1·5 | 778 | W & NW |
| 13 | 1 | 29·848 | 49·1 | 0·578 | 16·3 | 806 | W & Var. |
| 14 | .. | 29·678 | 54·5 | 0·017 | 0·3 | 976 | W |
| 15 | .. | 29·898 | 52·8 | .. | .. | 891 | W & NW |
| 16 | 2 | 30·190 | 50·6 | .. | .. | 356 | NW |
| 17 | .. | 29·979 | 53·7 | 0·342 | 6·5 | 293 | S & SW |
| 18 | .. | 29·624 | 53·4 | 0·143 | 2·0 | 462 | W & Var. |
| 19 | 1 | 29·763 | 56·3 | .. | .. | 620 | W |
| 20 | 1 | 29·840 | 56·5 | 0·268 | 2·8 | 203 | W & NW |
| 21 | 1 | 29·757 | 54·9 | 0·101 | 3·8 | 291 | W & Var. |
| 22 | 1 | 29·725 | 53·8 | 0·200 | 5·5 | 120 | S & Var. |
| 23 | .. | 29·751 | 55·9 | 0·142 | 1·5 | 252 | S & Var. |
| 24 | 1 | 29·878 | 58·7 | 0·299 | 4·5 | 323 | SE |
| 25 | 1 | 29·929 | 58·2 | 0·318 | 0·8 | 178 | S & Var. |
| 26 | .. | 29·983 | 59·3 | .. | .. | 231 | SE & Var. |
| 27 | 1 | 30·095 | 59·1 | 0·014 | 0·5 | 323 | W & NW |
| 28 | 1 | 30·148 | 59·1 | .. | .. | 177 | W & Var. |
| 29 | 2 | 30·157 | 58·3 | .. | .. | 198 | W & S |
| 30 | 2 | 30·140 | 59·8 | .. | .. | 214 | W |

DIARRHOEA IN DATES OF DEATH, 1882.

| DATE. July. | No. of Deaths. | Mean Reading of Barometer. | Mean Tempe- rature. | RAIN. | | Mean Daily Velocity in Miles. | WIND. DIRECTION. |
|----------------|----------------------|-------------------------------------|---------------------------|----------------------|--------|--|-------------------------|
| | | | | Amount in Inches. | Hours. | | |
| 1 | 3 | 30.092 | 62.7 | .. | .. | 148 | W & SE |
| 2 | 2 | 30.090 | 63.0 | .. | .. | 168 | W & NW |
| 3 | .. | 30.009 | 63.2 | 0.135 | 4.6 | 303 | SW & Var. |
| 4 | 1 | 29.656 | 58.4 | 0.305 | 4.0 | 278 | S & Var. |
| 5 | .. | 29.396 | 57.6 | 0.080 | 0.8 | 412 | W & Var. |
| 6 | .. | 29.269 | 56.7 | 0.520 | 8.5 | 321 | SW & S |
| 7 | 1 | 29.203 | 56.6 | 0.169 | 1.2 | 394 | SW & W |
| 8 | 2 | 29.378 | 58.0 | 0.298 | 4.8 | 186 | SE & Var. |
| 9 | .. | 29.530 | 56.8 | .. | .. | 312 | W & Var. |
| 10 | 5 | 29.639 | 56.9 | 0.003 | 0.3 | 271 | SW & Var. |
| 11 | 2 | 29.559 | 58.4 | 0.056 | 2.4 | 269 | ESE & Var. |
| 12 | 1 | 29.798 | 58.8 | 0.034 | 1.4 | 534 | W & NW |
| 13 | 1 | 29.675 | 58.6 | 0.447 | 8.0 | 378 | SE & S |
| 14 | 3 | 29.470 | 64.3 | 0.213 | 4.8 | 381 | SW & SSE |
| 15 | 4 | 29.325 | 59.5 | 0.260 | 1.0 | 412 | SE & Var. |
| 16 | 5 | 29.478 | 60.5 | 0.041 | 1.5 | 425 | SW & Var. |
| 17 | 5 | 29.675 | 60.7 | 0.070 | 1.9 | 369 | S W & Var. |
| 18 | 4 | 29.700 | 60.8 | 0.061 | 1.2 | 456 | SSW |
| 19 | 2 | 29.858 | 58.6 | 0.030 | 0.6 | 611 | SW |
| 20 | 2 | 30.031 | 58.6 | 0.153 | 4.4 | 420 | SW |
| 21 | 3 | 29.850 | 59.1 | 0.080 | 1.7 | 325 | SE & Var. |
| 22 | 1 | 29.690 | 58.9 | 0.178 | 3.3 | 336 | S & Var. |
| 23 | 2 | 29.511 | 59.1 | 0.178 | 3.7 | 477 | S & S W |
| 24 | 2 | 29.630 | 57.3 | 0.313 | 2.1 | 495 | W & SW |
| 25 | 1 | 29.869 | 56.8 | 0.433 | 1.6 | 331 | NW & Var. |
| 26 | 7 | 30.288 | 56.5 | .. | .. | 198 | WNW |
| 27 | 3 | 30.368 | 58.3 | 0.159 | 8.4 | 211 | S & Var. |
| 28 | 4 | 30.295 | 58.4 | .. | .. | 212 | W & Var. |
| 29 | 2 | 30.218 | 61.7 | .. | .. | 156 | W & Var. |
| 30 | 5 | 30.124 | 58.2 | 0.032 | 0.3 | 391 | W |
| 31 | 1 | 30.243 | 58.6 | 0.300 | 5.6 | 376 | SW |

DIARRHŒA IN DATES OF DEATH, 1882.

| DATE. August. | No. of Deaths. | Mean Reading of Barometer. | Mean Tempe- rature. | RAIN. | | WIND. | |
|------------------|----------------------|-------------------------------------|---------------------------|----------------------|--------|--|------------|
| | | | | Amount in Inches. | Hours. | Mean Daily Velocity in Miles. | DIRECTION. |
| 1 | 7 | 30.120 | 63.1 | 0.057 | 1.2 | 757 | SW & W |
| 2 | 6 | 30.028 | 58.8 | .. | .. | 819 | W & SW |
| 3 | 5 | 30.189 | 57.7 | 0.007 | 0.5 | 749 | W & NW |
| 4 | 4 | 30.315 | 58.5 | .. | .. | 601 | W & NW |
| 5 | 5 | 30.278 | 59.3 | .. | .. | 547 | W & NW |
| 6 | 3 | 30.197 | 59.9 | .. | .. | 536 | W |
| 7 | 5 | 30.203 | 59.0 | .. | .. | 343 | NW & W |
| 8 | 5 | 30.210 | 61.0 | .. | .. | 160 | NW & W |
| 9 | 5 | 30.239 | 58.9 | .. | .. | 191 | NW & W |
| 10 | 7 | 30.260 | 62.0 | .. | .. | 208 | SE & Var. |
| 11 | 5 | 30.154 | 61.6 | .. | .. | 194 | SE & Var. |
| 12 | 9 | 29.933 | 67.1 | 0.037 | 0.4 | 215 | SE & Var. |
| 13 | 3 | 29.720 | 65.8 | 0.043 | 0.4 | 287 | SW & Var. |
| 14 | 8 | 29.726 | 62.5 | 0.173 | 2.5 | 260 | SSE & SW |
| 15 | 3 | 29.600 | 56.1 | 0.241 | 4.3 | 419 | Var. |
| 16 | 5 | 29.658 | 59.7 | .. | .. | 372 | W & NW |
| 17 | 6 | 29.808 | 62.8 | 0.046 | 2.3 | 284 | W & NW |
| 18 | 8 | 29.933 | 60.2 | 0.053 | 1.5 | 154 | NW & W |
| 19 | 8 | 29.938 | 58.6 | .. | .. | 323 | W & Var. |
| 20 | 13 | 29.846 | 58.1 | 0.086 | 1.6 | 413 | SW & W |
| 21 | 11 | 29.664 | 57.1 | 0.008 | 0.2 | 1058 | W |
| 22 | 14 | 29.631 | 53.6 | 0.232 | 4.7 | 755 | W & SE |
| 23 | 12 | 29.222 | 54.1 | 0.276 | 3.6 | 845 | W & SW |
| 24 | 12 | 29.442 | 55.6 | 0.156 | 2.4 | 550 | W & SW |
| 25 | 8 | 29.420 | 56.2 | 0.095 | 5.2 | 253 | Var. |
| 26 | 9 | 29.583 | 56.7 | 0.123 | 2.1 | 555 | W & NW |
| 27 | 10 | 29.740 | 55.8 | .. | .. | 532 | W |
| 28 | 8 | 29.608 | 54.7 | 0.430 | 5.7 | 328 | SW & Var. |
| 29 | 9 | 29.484 | 56.2 | .. | .. | 574 | W & SW |
| 30 | 5 | 29.946 | 54.7 | .. | .. | 667 | W |
| 31 | 5 | 30.929 | 57.3 | 0.130 | 5.1 | 378 | SE & E |

DIARRHOEA IN DATES OF DEATH, 1882.

| DATE. Sept. | No. of Deaths. | Mean Reading of Barometer. | Mean Tempe- rature. | RAIN. | | WIND. | |
|----------------|----------------------|-------------------------------------|---------------------------|----------------------|--------|--|------------|
| | | | | Amount in Inches. | Hours. | Mean Daily Velocity in Miles. | DIRECTION. |
| 1 | 4 | 29.511 | 61.0 | 0.198 | 4.6 | 474 | SE & S |
| 2 | 8 | 29.311 | 56.8 | 0.258 | 5.6 | 547 | SW & S |
| 3 | 1 | 29.673 | 57.2 | 0.037 | 2.5 | 415 | W & SW |
| 4 | 10 | 30.125 | 53.1 | .. | .. | 292 | W & Var. |
| 5 | 5 | 30.112 | 56.1 | 0.050 | 1.3 | 329 | NW & Var. |
| 6 | .. | 30.294 | 52.7 | .. | .. | 302 | NW |
| 7 | 6 | 30.408 | 57.1 | .. | .. | 191 | S & SE |
| 8 | 4 | 30.405 | 54.1 | .. | .. | 173 | SW & Var. |
| 9 | 6 | 30.332 | 55.0 | .. | .. | 273 | SE & E |
| 10 | 2 | 29.926 | 57.8 | 0.014 | 2.7 | 265 | SE & Var. |
| 11 | 1 | 29.687 | 50.7 | .. | .. | 328 | W & NW |
| 12 | 6 | 29.658 | 51.4 | 0.048 | 0.7 | 262 | W & NW |
| 13 | 3 | 29.670 | 51.6 | .. | .. | 281 | W & NW |
| 14 | 6 | 29.587 | 48.7 | 0.190 | 2.3 | 339 | W & Var. |
| 15 | 3 | 29.723 | 52.2 | .. | .. | 292 | SE & S |
| 16 | 4 | 29.893 | 56.9 | 0.004 | 0.3 | 242 | SW & Var. |
| 17 | 2 | 29.995 | 52.5 | 0.350 | 3.0 | 254 | W & SW |
| 18 | 3 | 30.035 | 50.7 | 0.022 | 0.5 | 237 | W & NW |
| 19 | 4 | 30.019 | 54.2 | 0.116 | 0.7 | 306 | NE & NW |
| 20 | 2 | 29.900 | 56.5 | .. | .. | 605 | NE & N |
| 21 | 4 | 29.947 | 55.5 | .. | .. | 266 | NE & N |
| 22 | 4 | 29.960 | 55.2 | .. | .. | 109 | NE & NW |
| 23 | 3 | 29.966 | 54.2 | .. | .. | 203 | S & SW |
| 24 | 2 | 29.884 | 57.8 | .. | .. | 348 | SE & S |
| 25 | 2 | 29.738 | 52.6 | 0.070 | 2.5 | 254 | SE |
| 26 | 2 | 29.453 | 53.9 | 0.019 | 1.0 | 302 | E & SE |
| 27 | .. | 29.285 | 53.1 | 0.580 | 5.1 | 438 | SE & W |
| 28 | 1 | 29.561 | 51.4 | 0.110 | 4.0 | 469 | W |
| 29 | 2 | 29.566 | 51.1 | 0.122 | 1.5 | 252 | W & Var. |
| 30 | .. | 29.738 | 56.1 | 0.280 | 3.0 | 387 | SE & Var. |

DIARRHOEA IN DATES OF DEATH, 1882.

| DATE. October | No. of Deaths. | Mean Reading of Barometer. | Mean Tempe- rature. | RAIN. | | Mean Daily Velocity in Miles. | WIND. DIRECTION. |
|------------------|----------------------|-------------------------------------|---------------------------|----------------------|--------|--|-------------------------|
| | | | | Amount in Inches. | Hours. | | |
| 1 | 1 | 29·612 | 57·7 | .. | .. | 554 | S & SE |
| 2 | 3 | 29·835 | 54·8 | 0·133 | 1·8 | 426 | S & Var. |
| 3 | 1 | 30·152 | 54·7 | 0·008 | 0·2 | 537 | W & SW |
| 4 | 2 | 30·498 | 55·6 | .. | .. | 409 | NW & W |
| 5 | 2 | 30·546 | 55·8 | .. | .. | 284 | NE & E |
| 6 | 1 | 30·316 | 56·4 | .. | .. | 488 | NE & N |
| 7 | 1 | 30·108 | 53·0 | 0·008 | 0·2 | 395 | NE & E |
| 8 | 2 | 30·099 | 51·0 | .. | .. | 197 | E & SE |
| 9 | 2 | 30·128 | 47·7 | .. | .. | 228 | SE & E |
| 10 | 1 | 30·008 | 49·3 | 0·297 | 6·2 | 331 | SE & E |
| 11 | 4 | 29·552 | 51·8 | 0·037 | 0·6 | 306 | SE & Var. |
| 12 | 2 | 29·542 | 52·0 | .. | .. | 191 | SE & Var. |
| 13 | .. | 29·827 | 56·7 | .. | .. | 234 | NE |
| 14 | .. | 29·983 | 52·4 | 0·033 | 1·5 | 251 | E & SE |
| 15 | 5 | 29·870 | 47·2 | 0·219 | 6·1 | 503 | SE & E |
| 16 | 1 | 29·744 | 46·0 | .. | .. | 507 | E & NE |
| 17 | 1 | 29·910 | 46·2 | .. | .. | 282 | E & NE |
| 18 | 1 | 30·068 | 49·0 | 0·255 | 6·6 | 363 | SE & E |
| 19 | 1 | 29·719 | 47·9 | 0·322 | 8·0 | 524 | SE & E |
| 20 | 3 | 29·682 | 51·3 | 0·068 | 1·3 | 289 | SE & S |
| 21 | .. | 29·447 | 50·9 | 0·115 | 3·6 | 355 | SE & Var. |
| 22 | 1 | 29·223 | 46·9 | 0·207 | 3·2 | 423 | SW & W |
| 23 | .. | 29·355 | 47·6 | .. | .. | 415 | SW |
| 24 | 2 | 29·310 | 45·4 | 0·272 | 6·1 | 370 | Var. |
| 25 | 2 | 29·472 | 44·3 | 0·008 | 1·0 | 267 | W & Var. |
| 26 | 1 | 29·450 | 43·9 | 0·007 | 0·3 | 319 | SE & Var. |
| 27 | 3 | 29·505 | 47·5 | .. | .. | 351 | NE & E |
| 28 | 1 | 29·763 | 46·9 | .. | .. | 447 | N & NE |
| 29 | .. | 29·869 | 44·7 | 0·049 | 1·8 | 286 | N & Var. |
| 30 | 2 | 29·683 | 48·9 | 0·207 | 1·8 | 464 | SSW & W |
| 31 | 3 | 29·856 | 50·0 | 0·212 | 3·0 | 408 | SW & Var. |

WHOOPIING COUGH

Occasioned 440 deaths, or 155 in the Parish and 285 in the Out-Townships (The average number of deaths for the preceding ten years was 457). Its percentage death-rate relatively to deaths from all causes was 2·3 in the first quarter of the year, 4·4 in the second, 3·1 in the third, and 2·2 in the fourth; its percentage rate relatively to deaths from all causes was 3·0, and relatively to deaths from Zymotic causes 15·5.

DEATHS FROM WHOOPING COUGH.

| WARDS. | | QUARTERS. | | | | | | | | YEAR. | | |
|--------------------------------------|--------------------|-----------|----|-------|----|-------|----|------|----|-------|-----|--------|
| | | March. | | June. | | Sept. | | Dec. | | | | |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { Below 5 years .. | 2 | 8 | 10 | 5 | 6 | 10 | 6 | 11 | 24 | 34 | 58 |
| | { Above 5 years .. | .. | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 2 |
| Vauxhall | { Below 5 years .. | .. | 1 | .. | 5 | 3 | .. | 1 | 5 | 4 | 11 | 15 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Paul's | { Below 5 years .. | .. | 1 | 3 | 1 | .. | 1 | 1 | 2 | 4 | 5 | 9 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Exchange | { Below 5 years .. | .. | .. | 1 | 1 | 1 | 1 | .. | 3 | 2 | 5 | 7 |
| | { Above 5 years .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | .. | 1 |
| St. Anne's | { Below 5 years .. | 4 | 5 | 2 | 2 | .. | 1 | .. | .. | 6 | 8 | 14 |
| | { Above 5 years .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Lime Street | { Below 5 years .. | 1 | .. | 5 | 3 | .. | 1 | 1 | .. | 7 | 4 | 11 |
| | { Above 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 |
| Castle Street | { Below 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's | { Below 5 years .. | .. | .. | 1 | 1 | .. | 1 | .. | 1 | 1 | 3 | 4 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Pitt Street | { Below 5 years .. | .. | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 2 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Great George | { Below 5 years .. | .. | .. | 2 | 1 | .. | 1 | .. | 2 | 2 | 4 | 6 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Rodney Street | { Below 5 years .. | .. | 3 | 1 | 3 | 1 | .. | .. | .. | 2 | 6 | 8 |
| | { Above 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 |
| Abercromby | { Below 5 years .. | .. | 2 | 1 | 4 | 2 | 3 | .. | .. | 3 | 9 | 12 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Parish Workhouse and Hospitals | { Below 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Out-Township Workhouse and Hospitals | { Below 5 years .. | .. | .. | .. | .. | 2 | .. | .. | .. | 2 | .. | 2 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Everton | { Below 5 years .. | 9 | 8 | 12 | 16 | 16 | 13 | 9 | 6 | 46 | 43 | 89 |
| | { Above 5 years .. | .. | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 2 |
| Kirkdale | { Below 5 years .. | 3 | 3 | 11 | 14 | 10 | 10 | 11 | 9 | 35 | 36 | 71 |
| | { Above 5 years .. | .. | .. | .. | 2 | 1 | 1 | .. | 2 | 1 | 5 | 6 |
| West Derby | { Below 5 years .. | 7 | 8 | 7 | 7 | 6 | 2 | .. | 2 | 20 | 19 | 39 |
| | { Above 5 years .. | 1 | 1 | .. | 1 | .. | .. | .. | .. | 1 | 2 | 3 |
| North Toxteth | { Below 5 years .. | 6 | 3 | 6 | 4 | 2 | 6 | 4 | 3 | 18 | 16 | 34 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | 1 |
| South Toxteth | { Below 5 years .. | 3 | 4 | 2 | 7 | 3 | 4 | 6 | 6 | 14 | 21 | 35 |
| | { Above 5 years .. | .. | 1 | .. | 2 | .. | .. | .. | .. | .. | 3 | 3 |
| Parish | { Below 5 years .. | 7 | 20 | 27 | 28 | 13 | 20 | 9 | 24 | 56 | 92 | 148 |
| | { Above 5 years .. | .. | .. | 3 | 3 | 1 | .. | .. | .. | 4 | 3 | 7 |
| Out-Townships | { Below 5 years .. | 28 | 26 | 38 | 48 | 39 | 35 | 30 | 26 | 135 | 135 | 270 |
| | { Above 5 years .. | 1 | 2 | 1 | 6 | 1 | 1 | .. | 3 | 3 | 12 | 15 |
| City | { Below 5 years .. | 35 | 46 | 65 | 76 | 52 | 55 | 39 | 50 | 191 | 227 | 418 |
| | { Above 5 years .. | 1 | 2 | 4 | 9 | 2 | 1 | .. | 3 | 7 | 15 | 22 |

DEATHS FROM CROUP.

| WARDS. | | | QUARTERS. | | | | | | | | YEAR. | | |
|--|--------------------|--|-----------|----|-------|----|-------|----|------|----|-------|----|--------|
| | | | March. | | June. | | Sept. | | Dec. | | | | |
| | | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { Below 5 years .. | | 2 | 3 | 2 | 2 | 2 | .. | 3 | 3 | 9 | 8 | 17 |
| | { Above 5 years .. | | 1 | 2 | .. | 1 | .. | .. | .. | .. | 1 | 3 | 4 |
| Vauxhall | { Below 5 years .. | | .. | 1 | 2 | .. | .. | .. | 2 | .. | 4 | 1 | 5 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Paul's | { Below 5 years .. | | .. | .. | .. | 1 | .. | .. | 1 | 2 | 1 | 3 | 4 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Exchange | { Below 5 years .. | | 2 | .. | .. | .. | .. | .. | .. | .. | 2 | .. | 2 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 1 |
| St. Anne's | { Below 5 years .. | | 1 | 1 | .. | 2 | .. | .. | .. | .. | 1 | 3 | 4 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Lime Street | { Below 5 years .. | | .. | .. | .. | .. | .. | 2 | .. | .. | .. | 2 | 2 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Castle Street | { Below 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's | { Below 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Pitt Street | { Below 5 years .. | | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Great George | { Below 5 years .. | | .. | 1 | .. | 1 | .. | .. | 1 | .. | 1 | 2 | 3 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Rodney Street | { Below 5 years .. | | 1 | 1 | .. | 1 | .. | .. | .. | .. | 1 | 2 | 3 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| Abercromby | { Below 5 years .. | | 1 | 1 | .. | .. | .. | .. | 1 | .. | 2 | 1 | 3 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Parish Workhouse and Hospitals | { Below 5 years .. | | .. | 1 | 1 | .. | 1 | 2 | .. | 2 | 2 | 5 | 7 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Out-Township Workhouse and Hospitals | { Below 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Everton | { Below 5 years .. | | 4 | 5 | 3 | 3 | 3 | 2 | 6 | 5 | 16 | 15 | 31 |
| | { Above 5 years .. | | .. | 1 | .. | .. | .. | .. | 2 | 1 | 2 | 2 | 4 |
| Kirkdale | { Below 5 years .. | | 2 | 3 | 1 | 1 | 4 | 2 | 3 | 3 | 10 | 9 | 19 |
| | { Above 5 years .. | | 1 | .. | .. | 1 | .. | .. | 3 | .. | 4 | 1 | 5 |
| West Derby | { Below 5 years .. | | 1 | 1 | 3 | 2 | 1 | 2 | 3 | .. | 8 | 5 | 13 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| North Toxteth | { Below 5 years .. | | 2 | 1 | 1 | 2 | .. | 1 | 4 | 3 | 7 | 7 | 14 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 2 | 2 |
| South Toxteth | { Below 5 years .. | | 3 | .. | 1 | .. | .. | .. | 3 | 3 | 7 | 3 | 10 |
| | { Above 5 years .. | | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| Parish | { Below 5 years .. | | 7 | 9 | 5 | 8 | 3 | 4 | 8 | 7 | 23 | 28 | 51 |
| | { Above 5 years .. | | 1 | 2 | 1 | 1 | .. | 1 | 1 | .. | 3 | 4 | 7 |
| Out-Townships | { Below 5 years .. | | 12 | 10 | 9 | 8 | 8 | 7 | 19 | 14 | 48 | 39 | 87 |
| | { Above 5 years .. | | 2 | 1 | .. | 1 | .. | 1 | 5 | 2 | 7 | 5 | 12 |
| City | { Below 5 years .. | | 19 | 19 | 14 | 16 | 11 | 11 | 27 | 21 | 71 | 67 | 138 |
| | { Above 5 years .. | | 3 | 3 | 1 | 2 | .. | 2 | 6 | 2 | 10 | 9 | 19 |

DEATHS FROM DIPHTHERIA.

| WARDS. | | | QUARTERS. | | | | | | | | YEAR. | | |
|---------------------------------------|---|------------------|-----------|----|-------|----|-------|----|------|----|-------|----|--------|
| | | | March. | | June. | | Sept. | | Dec. | | | | |
| | | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { | Below 5 years .. | .. | .. | 1 | 1 | .. | 1 | 1 | 2 | 2 | 4 | 6 |
| | { | Above 5 years .. | .. | .. | 1 | .. | .. | .. | .. | 1 | .. | 1 | |
| Vauxhall | { | Below 5 years .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 1 | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| St. Paul's | { | Below 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | 1 | 1 | |
| | { | Above 5 years .. | .. | .. | 1 | .. | .. | .. | .. | 1 | .. | 1 | |
| Exchange | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | 2 | .. | .. | .. | .. | .. | .. | 2 | 2 | |
| St. Anne's | { | Below 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | 1 | 1 | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Lime Street .. | { | Below 5 years .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 1 | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Castle Street .. | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| St. Peter's | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Pitt Street ... | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Great George .. | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Rodney Street.... | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Abercromby..... | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Parish Workhouse and Hospitals | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Out-Township Workhouse and Hospitals. | { | Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Everton | { | Below 5 years .. | .. | 3 | .. | 1 | .. | 2 | 1 | .. | 1 | 6 | 7 |
| | { | Above 5 years .. | .. | 1 | .. | .. | 1 | 2 | 2 | .. | 3 | 3 | 6 |
| Kirkdale | { | Below 5 years .. | 1 | .. | .. | .. | .. | 1 | .. | 2 | .. | 2 | |
| | { | Above 5 years .. | .. | .. | .. | 1 | .. | .. | .. | .. | 1 | 1 | |
| West Derby..... | { | Below 5 years .. | 1 | .. | .. | 1 | 1 | .. | .. | 2 | 2 | 3 | 5 |
| | { | Above 5 years .. | .. | 1 | .. | .. | 1 | .. | .. | .. | 2 | 2 | |
| North Toxteth..... | { | Below 5 years .. | .. | 3 | .. | .. | .. | .. | 1 | 2 | 1 | 5 | 6 |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| South Toxteth..... | { | Below 5 years .. | 1 | 1 | .. | .. | 1 | .. | 1 | .. | 3 | 1 | 4 |
| | { | Above 5 years .. | .. | .. | .. | .. | .. | 1 | 1 | 1 | 1 | 1 | 2 |
| Parish | { | Below 5 years .. | .. | .. | 1 | 3 | .. | 1 | 3 | 2 | 4 | 6 | 10 |
| | { | Above 5 years .. | .. | 2 | 2 | .. | .. | .. | .. | 2 | 2 | 2 | 4 |
| Out-Townships | { | Below 5 years .. | 3 | 7 | .. | 2 | 2 | 2 | 4 | 4 | 9 | 15 | 24 |
| | { | Above 5 years .. | .. | 2 | .. | 1 | 1 | 3 | 3 | 1 | 4 | 7 | 11 |
| City | { | Below 5 years .. | 3 | 7 | 1 | 5 | 2 | 3 | 7 | 6 | 13 | 21 | 34 |
| | { | Above 5 years .. | .. | 4 | 2 | 1 | 1 | 3 | 3 | 1 | 6 | 9 | 15 |

OTHER ZYMOTICS.

Under the term of other Zymotics are included :—Small Pox, Chicken Pox, Cholera, Dysentery, Infantile Remittent Fever, Erysipelas, Syphilis, Thrush, Puerperal Fever, Rheumatic Fever, Quinsy, Ague, Purpura, and Mumps.

| WARDS. | | | QUARTERS. | | | | | | | | YEAR. | | |
|--|--------------------|--|-----------|----|-------|----|-------|----|------|----|-------|----|--------|
| | | | March. | | June. | | Sept. | | Dec. | | | | |
| | | | M | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { Below 5 years .. | | 2 | 1 | 3 | 2 | 2 | 2 | 3 | 6 | 10 | 11 | 21 |
| | { Above 5 years .. | | 1 | 1 | .. | .. | 3 | 2 | 6 | 1 | 10 | 4 | 14 |
| Vauxhall | { Below 5 years .. | | 1 | .. | .. | 1 | 1 | 1 | .. | .. | 2 | 2 | 4 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| St. Paul's | { Below 5 years .. | | 2 | 1 | 1 | .. | .. | .. | .. | .. | 3 | 1 | 4 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Exchange | { Below 5 years .. | | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Anne's | { Below 5 years .. | | .. | .. | 2 | 1 | .. | .. | 1 | 1 | 3 | 2 | 5 |
| | { Above 5 years .. | | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 2 | 2 | 4 |
| Lime Street | { Below 5 years .. | | .. | .. | .. | 1 | 2 | .. | .. | 1 | 2 | 2 | 4 |
| | { Above 5 years .. | | .. | .. | .. | .. | 1 | 1 | .. | 1 | 1 | 2 | 3 |
| Castle Street | { Below 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's | { Below 5 years .. | | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | | 1 | .. | 1 | .. | .. | .. | .. | .. | 2 | .. | 2 |
| Pitt Street | { Below 5 years .. | | .. | 1 | .. | 1 | .. | .. | .. | .. | .. | 2 | 2 |
| | { Above 5 years .. | | 1 | .. | 2 | .. | .. | .. | 1 | .. | 4 | .. | 4 |
| Great George | { Below 5 years .. | | 1 | .. | .. | .. | .. | .. | .. | 1 | 1 | 1 | 2 |
| | { Above 5 years .. | | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 1 |
| Rodney Street | { Below 5 years .. | | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | | .. | 2 | .. | .. | .. | .. | .. | .. | .. | 2 | 2 |
| Abercromby | { Below 5 years .. | | .. | .. | 1 | 1 | .. | .. | 2 | .. | 3 | 1 | 4 |
| | { Above 5 years .. | | .. | 1 | 1 | .. | .. | .. | .. | .. | 1 | 1 | 2 |
| Parish Workhouse and Hospitals | { Below 5 years .. | | 2 | 1 | 2 | .. | 2 | 2 | 1 | 3 | 7 | 6 | 13 |
| | { Above 5 years .. | | 6 | 6 | .. | 2 | 3 | .. | 1 | .. | 10 | 8 | 18 |
| Out-Township Workhouse and Hospitals | { Below 5 years .. | | 1 | .. | 1 | 1 | .. | .. | .. | 1 | 2 | 2 | 4 |
| | { Above 5 years .. | | 2 | 3 | 3 | 1 | 2 | .. | 2 | .. | 9 | 4 | 13 |
| Everton | { Below 5 years .. | | 1 | 5 | 2 | 1 | 6 | 2 | 2 | .. | 11 | 8 | 19 |
| | { Above 5 years .. | | 1 | 1 | 4 | 2 | 1 | 2 | 2 | 1 | 8 | 6 | 14 |
| Kirkdale | { Below 5 years .. | | 1 | .. | 3 | .. | 2 | 1 | .. | 1 | 6 | 2 | 8 |
| | { Above 5 years .. | | 1 | .. | 1 | 2 | .. | 1 | 2 | .. | 4 | 3 | 7 |
| West Derby | { Below 5 years .. | | .. | 1 | 1 | 1 | 1 | 2 | .. | 3 | 2 | 7 | 9 |
| | { Above 5 years .. | | .. | 1 | 1 | 2 | .. | .. | .. | 1 | 1 | 4 | 5 |
| North Toxteth | { Below 5 years .. | | 1 | 1 | .. | 1 | .. | 1 | 1 | .. | 2 | 3 | 5 |
| | { Above 5 years .. | | 4 | 2 | .. | 1 | 1 | 2 | 2 | 2 | 7 | 7 | 14 |
| South Toxteth | { Below 5 years .. | | .. | 2 | .. | .. | .. | 1 | 1 | 4 | 1 | 7 | 8 |
| | { Above 5 years .. | | .. | 3 | 1 | .. | 3 | .. | 1 | 1 | 5 | 4 | 9 |
| Parish | { Below 5 years .. | | 9 | 4 | 9 | 8 | 7 | 5 | 7 | 12 | 32 | 29 | 61 |
| | { Above 5 years .. | | 10 | 11 | 4 | 2 | 7 | 4 | 10 | 3 | 31 | 20 | 51 |
| Out-Townships | { Below 5 years .. | | 4 | 9 | 7 | 4 | 9 | 7 | 4 | 9 | 24 | 29 | 53 |
| | { Above 5 years .. | | 8 | 10 | 10 | 8 | 7 | 5 | 9 | 5 | 34 | 28 | 62 |
| City | { Below 5 years .. | | 13 | 13 | 16 | 12 | 16 | 12 | 11 | 21 | 56 | 58 | 114 |
| | { Above 5 years .. | | 18 | 21 | 14 | 10 | 14 | 9 | 19 | 8 | 65 | 48 | 113 |

TUBERCULAR DISEASES.

This group of diseases includes Phthisis, Scrofula, Tabes Mesenterica, and Hydrocephalus. They occasioned 1,972 deaths in the City of Liverpool during the year 1882, of which 814 occurred in the Parish, and 1,158 in the Out-Townships. (The average number of deaths for the preceding ten years was 1,961). The death-rate was 3·5 per 1,000 of the estimated population; their percentage death-rate relatively to deaths from all causes was 13·3.

PHTHISIS.

The deaths from Phthisis amounted to 1,345, the average number for the preceding ten years being 1,468.

| WARDS. | | QUARTERS. | | | | | | | | YEAR. | | |
|---|--------------------|-----------|-----|-------|-----|-------|-----|------|-----|-------|-----|--------|
| | | March. | | June. | | Sept. | | Dec. | | | | |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { Below 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | 13 | 23 | 11 | 18 | 8 | 13 | 17 | 15 | 49 | 69 | 118 |
| Vauxhall | { Below 5 years .. | .. | .. | .. | .. | 1 | 1 | .. | .. | 1 | 1 | 2 |
| | { Above 5 years .. | 2 | 6 | 5 | 1 | 6 | 2 | 4 | 2 | 17 | 11 | 28 |
| St. Paul's | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 3 | 1 | 3 | 1 | 3 | 2 | 5 | 1 | 14 | 5 | 19 |
| Exchange | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 1 | .. | 2 | .. | 3 | 4 | 1 | 3 | 7 | 7 | 14 |
| St. Anne's | { Below 5 years .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | .. | 1 |
| | { Above 5 years .. | 5 | 8 | 7 | 2 | 6 | 5 | 11 | 3 | 29 | 18 | 47 |
| Lime Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 2 | 2 | .. | 6 | 3 | 2 | 4 | .. | 9 | 10 | 19 |
| Castle Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 1 | .. | .. | .. | .. | .. | 1 | .. | 2 | .. | 2 |
| St. Peter's | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 1 | 2 | 2 | 2 | .. | .. | 1 | 1 | 4 | 5 | 9 |
| Pitt Street | { Below 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | 3 | 5 | 4 | 2 | .. | 3 | 4 | 1 | 11 | 11 | 22 |
| Great George | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 7 | 8 | 15 |
| Rodney Street | { Below 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | { Above 5 years .. | 2 | 4 | 4 | 3 | 1 | 2 | 7 | 4 | 14 | 13 | 27 |
| Abercromby | { Below 5 years .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | 8 | 3 | 4 | 3 | 5 | 6 | 3 | 2 | 20 | 14 | 34 |
| Parish Workhouse and Hospitals | { Below 5 years .. | .. | .. | .. | .. | 1 | .. | .. | 1 | 1 | 1 | 2 |
| | { Above 5 years .. | 51 | 16 | 40 | 20 | 38 | 16 | 37 | 24 | 166 | 76 | 242 |
| Out-Township Workhouse and Hospitals .. | { Below 5 years .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | 11 | 8 | 7 | 5 | 14 | 10 | 15 | 8 | 47 | 31 | 78 |
| Everton | { Below 5 years .. | .. | 1 | 1 | 1 | 1 | 1 | 1 | .. | 3 | 3 | 6 |
| | { Above 5 years .. | 33 | 32 | 18 | 24 | 21 | 21 | 17 | 24 | 89 | 101 | 190 |
| Kirkdale | { Below 5 years .. | .. | .. | .. | 1 | 1 | 3 | .. | 1 | 1 | 5 | 6 |
| | { Above 5 years .. | 12 | 15 | 12 | 16 | 10 | 12 | 9 | 19 | 43 | 62 | 105 |
| West Derby | { Below 5 years .. | .. | .. | .. | 1 | .. | 1 | 1 | 1 | 1 | 3 | 4 |
| | { Above 5 years .. | 17 | 16 | 22 | 14 | 19 | 16 | 16 | 19 | 74 | 65 | 139 |
| North Toxteth | { Below 5 years .. | .. | .. | 2 | .. | 2 | .. | 1 | .. | 5 | .. | 5 |
| | { Above 5 years .. | 12 | 17 | 13 | 19 | 10 | 13 | 10 | 20 | 45 | 69 | 114 |
| South Toxteth | { Below 5 years .. | 1 | .. | 2 | .. | 1 | .. | 1 | .. | 5 | .. | 5 |
| | { Above 5 years .. | 9 | 12 | 10 | 14 | 15 | 6 | 11 | 11 | 45 | 43 | 88 |
| Parish | { Below 5 years .. | .. | 1 | .. | .. | 3 | 3 | .. | 1 | 3 | 5 | 8 |
| | { Above 5 years .. | 93 | 72 | 84 | 60 | 74 | 57 | 98 | 58 | 349 | 247 | 596 |
| Out-Townships | { Below 5 years .. | 1 | 1 | 5 | 3 | 5 | 6 | 4 | 2 | 15 | 12 | 27 |
| | { Above 5 years .. | 94 | 100 | 82 | 92 | 89 | 78 | 78 | 101 | 343 | 371 | 714 |
| City | { Below 5 years .. | 1 | 2 | 5 | 3 | 8 | 9 | 4 | 3 | 18 | 17 | 35 |
| | { Above 5 years .. | 187 | 172 | 166 | 152 | 163 | 135 | 176 | 159 | 692 | 618 | 1310 |

DEATHS FROM THE OTHER TUBERCULAR DISEASES.

| WARDS. | | QUARTERS. | | | | | | | | YEAR. | | |
|--|--------------------|-----------|----|-------|----|-------|----|------|----|-------|-----|--------|
| | | March. | | June. | | Sept. | | Dec. | | | | |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| Scotland | { Below 5 years .. | 8 | 8 | 12 | 2 | 6 | 11 | 8 | 8 | 34 | 29 | 63 |
| | { Above 5 years .. | 1 | 1 | 2 | 1 | .. | .. | 3 | .. | 6 | 2 | 8 |
| Vauxhall | { Below 5 years .. | 2 | 3 | 3 | 2 | .. | .. | 2 | 1 | 7 | 6 | 13 |
| | { Above 5 years .. | .. | .. | .. | .. | 2 | .. | .. | .. | 2 | .. | 2 |
| St. Paul's | { Below 5 years .. | 2 | 1 | 1 | 1 | .. | .. | 1 | .. | 4 | 2 | 6 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Exchange | { Below 5 years .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 2 | .. | 2 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Anne's | { Below 5 years .. | 1 | .. | 2 | 1 | 6 | 1 | 5 | 1 | 14 | 3 | 17 |
| | { Above 5 years .. | 2 | .. | 1 | 1 | .. | 2 | 1 | 1 | 4 | 4 | 8 |
| Lime Street | { Below 5 years .. | .. | 1 | .. | .. | 3 | .. | .. | 1 | 3 | 2 | 5 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 1 |
| Castle Street | { Below 5 years .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| | { Above 5 years .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| St. Peter's | { Below 5 years .. | .. | 2 | .. | 1 | .. | .. | .. | .. | .. | 3 | 3 |
| | { Above 5 years .. | .. | .. | 1 | 1 | .. | .. | .. | 1 | 1 | 2 | 3 |
| Pitt Street | { Below 5 years .. | .. | 1 | .. | .. | 1 | .. | .. | .. | 1 | 1 | 2 |
| | { Above 5 years .. | .. | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | 2 |
| Great George | { Below 5 years .. | 2 | 1 | 1 | 1 | 1 | 1 | .. | .. | 4 | 3 | 7 |
| | { Above 5 years .. | .. | .. | .. | .. | 1 | .. | 1 | .. | 2 | .. | 2 |
| Rodney Street | { Below 5 years .. | .. | 2 | 1 | 2 | .. | 1 | 2 | 1 | 3 | 6 | 9 |
| | { Above 5 years .. | 2 | .. | .. | .. | 1 | .. | .. | .. | 3 | .. | 3 |
| Abercromby | { Below 5 years .. | 4 | 2 | .. | 1 | .. | .. | 6 | .. | 10 | 3 | 13 |
| | { Above 5 years .. | .. | .. | .. | .. | 1 | 1 | .. | .. | 1 | 1 | 2 |
| Parish Workhouse and Hospitals | { Below 5 years .. | 1 | 1 | 2 | 1 | 8 | 3 | 1 | 2 | 12 | 7 | 19 |
| | { Above 5 years .. | 5 | .. | 6 | .. | 6 | 1 | 1 | .. | 18 | 1 | 19 |
| Out-Township Workhouse and Hospitals | { Below 5 years .. | .. | .. | 1 | 1 | 1 | 1 | .. | .. | 2 | 2 | 4 |
| | { Above 5 years .. | .. | .. | 4 | 1 | 2 | .. | .. | 1 | 6 | 2 | 8 |
| Everton | { Below 5 years .. | 16 | 10 | 16 | 11 | 24 | 16 | 19 | 10 | 75 | 47 | 122 |
| | { Above 5 years .. | 2 | 3 | 6 | 2 | 5 | 1 | 3 | 3 | 16 | 9 | 25 |
| Kirkdale | { Below 5 years .. | 8 | 3 | 12 | 5 | 10 | 9 | 7 | 5 | 37 | 22 | 59 |
| | { Above 5 years .. | 2 | 1 | 1 | 1 | 1 | 3 | .. | .. | 4 | 5 | 9 |
| West Derby | { Below 5 years .. | 10 | 6 | 4 | 8 | 5 | 9 | 9 | 6 | 28 | 29 | 57 |
| | { Above 5 years .. | 6 | .. | 2 | 2 | 4 | 1 | 1 | 2 | 13 | 5 | 18 |
| North Toxteth | { Below 5 years .. | 5 | 8 | 7 | 7 | 7 | 6 | 8 | 6 | 27 | 27 | 54 |
| | { Above 5 years .. | .. | .. | .. | 2 | 3 | 1 | 2 | 1 | 5 | 4 | 9 |
| South Toxteth | { Below 5 years .. | 8 | 6 | 4 | 3 | 10 | 5 | 6 | 2 | 28 | 16 | 44 |
| | { Above 5 years .. | 2 | 1 | 2 | .. | 2 | .. | .. | 1 | 6 | 2 | 8 |
| Parish | { Below 5 years .. | 20 | 23 | 22 | 12 | 26 | 17 | 26 | 14 | 94 | 66 | 160 |
| | { Above 5 years .. | 10 | 1 | 11 | 4 | 11 | 4 | 7 | 2 | 39 | 11 | 50 |
| Out-Townships | { Below 5 years .. | 47 | 33 | 44 | 35 | 57 | 46 | 49 | 29 | 197 | 143 | 340 |
| | { Above 5 years .. | 12 | 5 | 15 | 8 | 17 | 6 | 6 | 8 | 50 | 27 | 77 |
| City | { Below 5 years .. | 67 | 56 | 66 | 47 | 83 | 63 | 75 | 43 | 291 | 209 | 500 |
| | { Above 5 years .. | 22 | 6 | 26 | 12 | 28 | 10 | 13 | 10 | 89 | 38 | 127 |

Mr. Hartnup has kindly supplied the following Meteorological Table :—
LIVERPOOL OBSERVATORY.

| DATE—1882. | Mean Barometer. | Mean Temperature. | Rainfall on Ground. |
|-----------------|--------------------|----------------------|------------------------|
| | Inches. | o | Inches. |
| January | 30·258 | 42·3 | 2·218 |
| February | 30·144 | 43·8 | 1·512 |
| March | 29·917 | 46·4 | 2·082 |
| April | 29·736 | 47·3 | 3·144 |
| May .. | 30·017 | 53·1 | 1·052 |
| June | 29·851 | 55·4 | 4·248 |
| July | 29·772 | 59·1 | 4·548 |
| August | 29·872 | 58·8 | 2·193 |
| September | 29·845 | 54·2 | 2·558 |
| October | 29·811 | 50·1 | 2·457 |
| November | 29·620 | 42·9 | 4·612 |
| December | 29·620 | 38·9 | 3·848 |

Mr. Hagger, the Vestry Clerk, has kindly supplied the following Tables:—

PARISH OF LIVERPOOL.

Return of Infectious Diseases, &c., in Workhouse Hospital.

| 1882. WEEK ENDING | | TYPHUS. | | | | | SIMPLE CONTINUED. | | | | | MEASLES. | | | | |
|-------------------------|--------|-----------------------------------|-----------|-------------|-------|------------------------------|-----------------------------------|-----------|-------------|-------|------------------------------|-----------------------------------|-----------|-------------|-------|------------------------------|
| | | No. at commence- ment of week. | Admitted. | Discharged. | Died. | Remaining at end of week. | No. at commence- ment of week. | Admitted. | Discharged. | Died. | Remaining at end of week. | No. at commence- ment of week. | Admitted. | Discharged. | Died. | Remaining at end of week. |
| Jan. | 7.... | 25 | 22 | 13 | 4 | 30 | 7 | 9 | 8 | 1 | 7 | 9 | .. | 4 | .. | 5 |
| „ | 14.... | 30 | 9 | 2 | 3 | 34 | 7 | 16 | 9 | 1 | 13 | 5 | 4 | 2 | 1 | 6 |
| „ | 21.... | 34 | 18 | 7 | 3 | 42 | 13 | 13 | 5 | 2 | 19 | 6 | .. | 2 | 1 | 3 |
| „ | 28.... | 42 | 14 | 13 | 3 | 40 | 19 | 1 | 3 | .. | 17 | 3 | .. | 2 | .. | 1 |
| Feb. | 4.... | 40 | 13 | 11 | 1 | 41 | 17 | 14 | 9 | 1 | 21 | 1 | 2 | 1 | .. | 2 |
| „ | 11.... | 41 | 33 | 13 | 4 | 57 | 21 | 2 | 4 | 3 | 16 | 2 | .. | .. | .. | 2 |
| „ | 18.... | 57 | 28 | 11 | 6 | 68 | 16 | 10 | 7 | .. | 19 | 2 | .. | .. | .. | 2 |
| „ | 25.... | 68 | 21 | 16 | 3 | 70 | 19 | 7 | 9 | 1 | 16 | 2 | 4 | 1 | .. | 5 |
| March | 4.... | 70 | 15 | 18 | 5 | 62 | 16 | 5 | 8 | 2 | 11 | 5 | 6 | 1 | .. | 10 |
| „ | 11.... | 62 | 20 | 14 | 3 | 65 | 11 | 3 | 6 | 1 | 7 | 10 | 3 | 1 | 1 | 11 |
| „ | 18.... | 65 | 30 | 16 | 7 | 72 | 7 | 5 | 4 | .. | 8 | 11 | 4 | .. | 2 | 13 |
| „ | 25.... | 72 | 22 | 17 | 7 | 70 | 8 | 13 | 7 | .. | 14 | 13 | 11 | 4 | .. | 20 |
| April | 1.... | 70 | 22 | 16 | 7 | 69 | 14 | 10 | 6 | .. | 18 | 20 | 7 | 4 | .. | 23 |
| „ | 8.... | 69 | 27 | 17 | 9 | 70 | 18 | 8 | 6 | .. | 20 | 23 | 3 | 4 | .. | 22 |
| „ | 15.... | 70 | 13 | 25 | 3 | 55 | 20 | 8 | 9 | 1 | 18 | 22 | 1 | 9 | 1 | 13 |
| „ | 22.... | 55 | 31 | 13 | 7 | 66 | 18 | 3 | 4 | 1 | 16 | 13 | .. | 3 | 1 | 9 |
| „ | 29.... | 66 | 8 | 12 | 5 | 57 | 16 | 9 | 9 | .. | 16 | 9 | 12 | 6 | .. | 15 |
| May | 6.... | 57 | 15 | 26 | 3 | 43 | 16 | 6 | 2 | 1 | 19 | 15 | 6 | 6 | .. | 15 |
| „ | 13.... | 43 | 15 | 13 | .. | 45 | 19 | 12 | 10 | 1 | 20 | 15 | 13 | 5 | .. | 23 |
| „ | 20.... | 45 | 32 | 19 | 4 | 54 | 20 | 9 | 12 | .. | 17 | 23 | 9 | 9 | .. | 23 |
| „ | 27.... | 54 | 11 | 9 | 6 | 50 | 17 | 9 | 10 | .. | 16 | 23 | 10 | 8 | .. | 25 |
| June | 3.... | 50 | 14 | 12 | 3 | 49 | 16 | 11 | 11 | .. | 16 | 25 | 17 | 8 | 5 | 29 |
| „ | 10.... | 49 | 24 | 13 | 6 | 54 | 16 | 6 | 5 | 1 | 16 | 29 | 5 | 5 | 1 | 28 |
| „ | 17.... | 54 | 20 | 16 | 3 | 55 | 16 | 10 | 20 | 1 | 5 | 28 | 11 | 10 | .. | 29 |
| „ | 24.... | 55 | 11 | 9 | 7 | 50 | 5 | 7 | 5 | .. | 7 | 29 | 11 | 12 | 1 | 27 |
| July | 1.... | 50 | 13 | 16 | 2 | 45 | 7 | 20 | 5 | 1 | 21 | 27 | 28 | 15 | .. | 40 |
| „ | 8.... | 45 | 23 | 15 | 1 | 52 | 21 | 13 | 15 | 2 | 17 | 40 | 6 | 18 | 2 | 26 |
| „ | 15.... | 52 | 16 | 7 | 3 | 58 | 17 | 5 | 15 | 1 | 6 | 26 | 3 | 12 | 2 | 15 |
| „ | 22.... | 58 | 10 | 10 | 1 | 57 | 6 | 4 | .. | 7 | 3 | 15 | 1 | 6 | .. | 10 |
| „ | 29.... | 57 | 10 | 13 | 2 | 52 | 3 | 6 | 6 | .. | 3 | 10 | 5 | 5 | .. | 10 |
| Aug. | 5.... | 52 | 15 | 15 | 1 | 51 | 3 | 1 | 1 | .. | 3 | 10 | 1 | 4 | .. | 7 |
| „ | 12.... | 51 | 16 | 13 | 6 | 48 | 3 | 4 | 2 | 1 | 4 | 7 | 1 | 1 | .. | 7 |
| „ | 19.... | 48 | 17 | 12 | 6 | 47 | 4 | 11 | 3 | .. | 12 | 7 | 4 | 1 | .. | 10 |
| „ | 26.... | 47 | 19 | 9 | 2 | 55 | 12 | 16 | 8 | 1 | 19 | 10 | 8 | 5 | .. | 13 |
| Sept. | 2.... | 55 | 23 | 6 | 6 | 66 | 19 | 5 | 6 | .. | 18 | 13 | 7 | 3 | .. | 17 |
| „ | 9.... | 66 | 28 | 22 | 5 | 67 | 18 | 9 | 9 | .. | 18 | 17 | 3 | 11 | .. | 9 |
| „ | 16.... | 67 | 37 | 22 | 4 | 78 | 18 | 7 | 11 | 2 | 12 | 9 | 8 | 2 | .. | 15 |
| „ | 23.... | 78 | 23 | 19 | 5 | 77 | 12 | 8 | 9 | 2 | 9 | 15 | .. | 3 | .. | 12 |
| „ | 30.... | 77 | 21 | 13 | .. | 85 | 9 | 2 | 3 | 2 | 6 | 12 | 5 | 5 | .. | 12 |
| Oct. | 7.... | 85 | 32 | 26 | 4 | 87 | 6 | 5 | 3 | 2 | 6 | 12 | 5 | 3 | 1 | 13 |
| „ | 14.... | 87 | 30 | 24 | 6 | 87 | 6 | 12 | 6 | 3 | 9 | 13 | 1 | 3 | 2 | 9 |
| „ | 21.... | 87 | 27 | 26 | 6 | 82 | 9 | 8 | 7 | 2 | 8 | 9 | 1 | 2 | 1 | 7 |
| „ | 28.... | 82 | 38 | 16 | 4 | 100 | 8 | 14 | 6 | 1 | 15 | 7 | 1 | 6 | .. | 2 |
| Nov. | 4.... | 100 | 35 | 15 | 8 | 112 | 15 | 5 | 6 | 1 | 13 | 2 | 1 | 1 | .. | 2 |
| „ | 11.... | 112 | 35 | 21 | 5 | 121 | 13 | 12 | 9 | .. | 16 | 2 | 1 | 2 | .. | 1 |
| „ | 18.... | 121 | 34 | 30 | 3 | 122 | 16 | 12 | 8 | 1 | 19 | 1 | 1 | .. | .. | 2 |
| „ | 25.... | 122 | 58 | 23 | 10 | 147 | 19 | 12 | 15 | 1 | 15 | 2 | .. | 2 | .. | .. |
| Dec. | 2.... | 147 | 20 | 43 | 13 | 111 | 15 | 9 | 10 | 1 | 13 | .. | 4 | .. | .. | 4 |
| „ | 9.... | 111 | 37 | 20 | 3 | 125 | 13 | 7 | 9 | .. | 11 | 4 | .. | .. | .. | 4 |
| „ | 16.... | 125 | 36 | 29 | 10 | 122 | 11 | 16 | 10 | .. | 17 | 4 | 2 | .. | .. | 6 |
| „ | 23.... | 122 | 20 | 42 | 10 | 90 | 17 | 8 | 9 | 2 | 14 | 6 | .. | 5 | .. | 1 |
| „ | 30.... | 90 | 31 | 20 | 8 | 93 | 14 | 8 | 3 | .. | 19 | 1 | 1 | .. | .. | 2 |

PARISH OF LIVERPOOL.

Return of Infectious Diseases, &c., in Workhouse Hospital.

| 1882. WEEK ENDING | | SCARLATINA. | | | | SMALL POX. | | | | TYPHOID. | | | | | | |
|-------------------------|---------|-----------------------------------|-----------|-------------|-------|------------------------------|-----------------------------------|-----------|-------------|----------|------------------------------|-----------------------------------|-----------|-------------|-------|------------------------------|
| | | No. at commence- ment of week. | Admitted. | Discharged. | Died. | Remaining at end of week. | No. at commence- ment of week. | Admitted. | Discharged. | Died. | Remaining at end of week. | No. at commence- ment of week. | Admitted. | Discharged. | Died. | Remaining at end of week. |
| Jan. | 7..... | 19 | 2 | 9 | .. | 12 | .. | .. | .. | .. | 6 | .. | .. | .. | .. | 6 |
| „ | 14..... | 12 | 5 | 2 | .. | 15 | .. | .. | .. | .. | 6 | .. | .. | .. | .. | 6 |
| „ | 21..... | 15 | 3 | 8 | .. | 10 | .. | .. | .. | .. | 6 | .. | 2 | .. | .. | 4 |
| „ | 28..... | 10 | 2 | 2 | .. | 10 | .. | .. | .. | .. | 4 | 2 | 1 | 1 | .. | 4 |
| Feb. | 4..... | 10 | 7 | 2 | .. | 15 | .. | .. | .. | .. | 4 | .. | 1 | .. | .. | 3 |
| „ | 11..... | 15 | 3 | 2 | .. | 16 | .. | .. | .. | .. | 3 | 2 | .. | .. | .. | 5 |
| „ | 18..... | 16 | .. | 2 | .. | 14 | .. | .. | .. | .. | 5 | 1 | 1 | .. | .. | 5 |
| „ | 25..... | 14 | 1 | 2 | .. | 13 | .. | .. | .. | .. | 5 | 1 | 1 | .. | .. | 5 |
| March | 4..... | 13 | 4 | 2 | .. | 15 | .. | .. | .. | .. | 5 | .. | 1 | .. | .. | 4 |
| „ | 11..... | 15 | 7 | 8 | 1 | 13 | .. | .. | .. | .. | 4 | .. | 1 | .. | .. | 3 |
| „ | 18..... | 13 | 2 | 1 | .. | 14 | .. | .. | .. | .. | 3 | .. | 1 | .. | .. | 2 |
| „ | 25..... | 14 | 2 | .. | .. | 16 | .. | .. | .. | .. | 2 | 1 | .. | .. | .. | 3 |
| April | 1..... | 16 | 3 | 2 | .. | 17 | .. | .. | .. | .. | 3 | .. | 2 | 1 | .. | .. |
| „ | 8..... | 17 | 3 | .. | .. | 20 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| „ | 15..... | 20 | 8 | 4 | 1 | 23 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| „ | 22..... | 23 | 7 | 6 | 1 | 23 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 |
| „ | 29..... | 23 | 7 | 4 | .. | 26 | .. | .. | .. | .. | 1 | .. | .. | .. | .. | 1 |
| May | 6..... | 26 | 2 | 7 | .. | 21 | .. | .. | .. | .. | 1 | .. | 1 | .. | .. | .. |
| „ | 13..... | 21 | 3 | 8 | 2 | 14 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| „ | 20..... | 14 | 3 | 7 | 1 | 9 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| „ | 27..... | 9 | 11 | 3 | 1 | 16 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 |
| June | 3..... | 16 | 3 | .. | .. | 19 | .. | .. | .. | .. | 1 | .. | .. | .. | .. | 1 |
| „ | 10..... | 19 | 5 | 5 | 2 | 17 | .. | .. | .. | .. | 1 | 2 | .. | .. | .. | 3 |
| „ | 17..... | 17 | 1 | .. | 1 | 17 | .. | .. | .. | .. | 3 | 4 | 2 | .. | .. | 5 |
| „ | 24..... | 17 | 4 | 8 | 1 | 12 | .. | .. | .. | .. | 5 | 5 | 2 | .. | .. | 8 |
| July | 1..... | 12 | .. | 2 | 1 | 9 | .. | .. | .. | .. | 8 | 3 | 1 | 2 | .. | 8 |
| „ | 8..... | 9 | 3 | 4 | 1 | 7 | .. | .. | .. | .. | 8 | 2 | 1 | .. | .. | 9 |
| „ | 15..... | 7 | 3 | 3 | .. | 7 | .. | .. | .. | .. | 9 | 9 | 5 | 3 | 10 | .. |
| „ | 22..... | 7 | 5 | 1 | .. | 11 | .. | .. | .. | .. | 10 | .. | 1 | 1 | .. | 8 |
| „ | 29..... | 11 | 3 | .. | 1 | 13 | .. | .. | .. | .. | 8 | .. | 4 | .. | .. | 4 |
| Aug. | 5..... | 13 | .. | 2 | 1 | 10 | .. | .. | .. | .. | 4 | 1 | .. | 2 | .. | 3 |
| „ | 12..... | 10 | 1 | .. | 1 | 10 | .. | .. | .. | .. | 3 | 6 | .. | .. | .. | 9 |
| „ | 19..... | 10 | 3 | 4 | 1 | 8 | .. | .. | .. | .. | 9 | 1 | 4 | 1 | .. | 5 |
| „ | 26..... | 8 | 1 | 3 | .. | 6 | .. | .. | .. | .. | 5 | 1 | 1 | 1 | .. | 4 |
| Sept. | 2..... | 6 | .. | 1 | .. | 5 | .. | .. | .. | .. | 4 | 5 | 6 | .. | .. | 3 |
| „ | 9..... | 5 | 9 | 1 | .. | 13 | .. | .. | .. | .. | 3 | 3 | .. | .. | .. | 6 |
| „ | 16..... | 13 | 5 | 2 | 1 | 15 | .. | .. | .. | .. | 6 | 1 | 2 | 1 | .. | 4 |
| „ | 23..... | 15 | 2 | 1 | 1 | 15 | .. | .. | .. | .. | 4 | 2 | .. | .. | .. | 6 |
| „ | 30..... | 15 | 7 | 3 | 2 | 17 | .. | .. | .. | .. | 6 | 11 | .. | 1 | .. | 16 |
| Oct. | 7..... | 17 | 4 | 1 | .. | 20 | .. | .. | .. | .. | 16 | 5 | 7 | .. | .. | 14 |
| „ | 14..... | 20 | 6 | 7 | .. | 19 | .. | .. | .. | .. | 14 | 1 | 1 | 1 | .. | 13 |
| „ | 21..... | 19 | 3 | 2 | .. | 20 | .. | .. | .. | .. | 13 | 4 | 4 | 1 | .. | 12 |
| „ | 28..... | 20 | 2 | 4 | .. | 18 | .. | .. | .. | .. | 12 | 6 | 4 | .. | .. | 14 |
| Nov. | 4..... | 18 | 4 | 3 | .. | 19 | .. | .. | .. | .. | 14 | 1 | 3 | .. | .. | 12 |
| „ | 11..... | 19 | .. | 5 | .. | 14 | .. | .. | .. | .. | 12 | 3 | 1 | 1 | .. | 13 |
| „ | 18..... | 14 | 2 | 4 | 1 | 11 | .. | .. | .. | .. | 13 | 4 | 6 | 1 | .. | 10 |
| „ | 25..... | 11 | 1 | 5 | .. | 7 | .. | .. | .. | .. | 10 | 3 | 2 | 1 | .. | 10 |
| Dec. | 2..... | 7 | .. | 2 | .. | 5 | .. | .. | .. | .. | 10 | .. | 5 | 1 | .. | 4 |
| „ | 9..... | 5 | 1 | 2 | .. | 4 | .. | .. | .. | .. | 4 | .. | 1 | .. | .. | 3 |
| „ | 16..... | 4 | .. | 4 | .. | .. | .. | .. | .. | .. | 3 | 1 | 2 | .. | .. | 2 |
| „ | 23..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | 2 |
| „ | 30..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | 1 | .. | .. | 1 |

These show that the average number of persons suffering from Continued Fever (including therein Typhus, Typhoid, and simple Continued Fever (at one time in Hospital during the year 1882 was 87, and their percentage Death-rate was 17·9. The average number of cases of Measles at one time in Hospital during the year was 12, and the percentage Death-rate was 8·9; the average number of cases of Scarlatina at one time in the Hospital during the year was 13, and the percentage Death-rate was 12·1.

PARISH OF LIVERPOOL.

RETURN OF PERSONS IN RECEIPT OF RELIEF IN THE YEAR 1882.

| Week ending. | Work-house. | Industrial Schools. | Out-Relief. | Week ending. | Work-house. | Industrial Schools. | Out-Relief. |
|--------------|-------------|---------------------|-------------|---------------|-------------|---------------------|-------------|
| 1882. | | | | 1882. | | | |
| January 7.. | 3148 | 950 | 2575 | July 1.. | 2753 | 873 | 2314 |
| „ 14.. | 3182 | 936 | 2585 | „ 8.. | 2678 | 899 | 2319 |
| „ 21.. | 3149 | 961 | 2572 | „ 15.. | 2723 | 875 | 2307 |
| „ 28.. | 3160 | 940 | 2533 | „ 22.. | 2737 | 894 | 2315 |
| February 4.. | 3210 | 926 | 2497 | „ 29.. | 2810 | 884 | 2333 |
| „ 11.. | 3244 | 910 | 2526 | August 5.. | 2723 | 910 | 2341 |
| „ 18.. | 3152 | 946 | 2479 | „ 12.. | 2754 | 886 | 2344 |
| „ 25.. | 3197 | 931 | 2469 | „ 19.. | 2722 | 910 | 2370 |
| March 4.. | 3217 | 950 | 2481 | „ 26.. | 2778 | 891 | 2366 |
| „ 11.. | 3154 | 925 | 2462 | September 2.. | 2789 | 922 | 2414 |
| „ 18.. | 3098 | 940 | 2442 | „ 9.. | 2797 | 907 | 2405 |
| „ 25.. | 3073 | 914 | 2499 | „ 16.. | 2813 | 938 | 2369 |
| April 1.. | 3005 | 925 | 2468 | „ 23.. | 2872 | 920 | 2331 |
| „ 8.. | 2969 | 907 | 2489 | „ 30.. | 2833 | 938 | 2346 |
| „ 15.. | 2907 | 920 | 2427 | October 7.. | 2848 | 923 | 2310 |
| „ 22.. | 2903 | 897 | 2445 | „ 14.. | 2835 | 939 | 2284 |
| „ 29.. | 2869 | 907 | 2448 | „ 21.. | 2917 | 921 | 2291 |
| May 6.. | 2864 | 883 | 2427 | „ 28.. | 2914 | 956 | 2308 |
| „ 13.. | 2827 | 895 | 2411 | November 4.. | 2955 | 939 | 2291 |
| „ 20.. | 2783 | 877 | 2377 | „ 11.. | 3002 | 975 | 2309 |
| „ 27.. | 2730 | 893 | 2372 | „ 18.. | 3065 | 968 | 2304 |
| June 3.. | 2700 | 878 | 2342 | „ 25.. | 3091 | 981 | 2331 |
| „ 10.. | 2705 | 895 | 2328 | December 2.. | 3106 | 962 | 2345 |
| „ 17.. | 2713 | 872 | 2343 | „ 9.. | 3194 | 984 | 2360 |
| „ 24.. | 2717 | 896 | 2309 | „ 16.. | 3226 | 971 | 2395 |
| | | | | „ 23.. | 3149 | 977 | 2494 |
| | | | | „ 30.. | 3162 | 961 | 2361 |

The number of persons in receipt of Parochial Relief on Saturday, 1st of July, 1882, was 5,940, or 486 less than at the corresponding period of 1881; and the number on Saturday, the 30th December, 1882, was 6,484, or 135 less than at the same period of 1881.

SANITARY WORK.

Privies Certified for Conversion into Water Closets during the year 1882.

| WARDS. | No. of Privies Certified. |
|---------------------|------------------------------|
| Scotland | 276 |
| Vauxhall | 11 |
| St. Paul's | 31 |
| Exchange | 2 |
| St. Anne's | 14 |
| Lime Street | 14 |
| St. Peter's | 4 |
| Pitt Street | 6 |
| Great George | 26 |
| Rodney Street | 54 |
| Abercromby | 211 |
| Everton | 805 |
| Kirkdale | 304 |
| West Derby | 686 |
| North Toxteth | 238 |
| South Toxteth | 138 |
| TOTAL..... | 2820 |

LIVERPOOL SANITARY AMENDMENT ACT, 1864.

Section 4 of the above Act states that “if the Medical Officer of Health shall find that any court or alley, or any premises is, or are, unfit for human habitation, or in a condition, state, or situation injurious, dangerous, or prejudicial to health, he shall report the same, and that the powers of this Act ought to be put in force in respect to such court, alley, or premises.”

By Section 6, “every report made under this Act by the Medical Officer of Health shall be made and signed by him in duplicate, and he shall forthwith deliver one of such reports to the Town Clerk, and the other to the Clerk of the Peace.”

By further Sections the Town Clerk is directed to lay the report before the Town Council and record it on the minutes; and the Clerk of the Peace is directed to lay his copy before the Grand Jury at the next Court of General or Quarter Sessions, and the Grand Jury is to take the report into consideration, and, after viewing by members of their body the premises specified in the report, shall make a presentment thereon according to what they consider the requirements of the case.

Six presentments have been made under this Act, and though it has been found beneficial in demolishing or improving insanitary property, the working was found tedious and expensive. The Corporation have, therefore, obtained an amendment of this Act (Liverpool Improvement Act, 1882), by which “A report by the Medical Officer of Health, under the Liverpool Sanitary Amendment Act, 1864, as to the condition of courts, alleys, and other premises need not be made and signed in duplicate, and a copy need not be delivered to the Clerk of the Peace unless the Corporation specially so direct.”

By Section 79, "where the Medical Officer of Health has made a report to the Corporation under the Liverpool Sanitary Amendment Act, 1864, the Corporation may from time to time (whether or not a copy of the report has been delivered to the Clerk of the Peace, or a presentment has been made under the said Act) acquire by agreement all or any of the premises included in such report, or any estate or interest therein, or in any part thereof, and any premises, estate, or interest so acquired may be sold or otherwise dealt with and disposed of in like manner as land and premises acquired by them under the Liverpool Sanitary Amendment Act, 1864."

In view of the action to be taken under these new provisions, and to assist the Corporation in carrying out the Act, the Medical Officer has made an inspection of the whole of the insanitary districts of the City, and prepared a list of the premises that should be dealt with. These will come before the Health Committee for consideration, and form part of their important duties for the next year.

The City Engineer has kindly supplied the following returns:—

HOUSES ERECTED AND TAKEN DOWN DURING 1882.

| No. | WARDS. | Houses Built. | Houses taken down. |
|-------------|----------------------------|---------------|--------------------|
| 1 | Everton and Kirkdale | 632 | 30 |
| 2 | Scotland | 4 | 52 |
| 3 | Vauxhall | | 13 |
| 4 | St. Paul's | | |
| 5 | Exchange | 1 | 15 |
| 6 | Castle Street | 5 | 7 |
| 7 | St. Peter's | 1 | |
| 8 | Pitt Street | 1 | 4 |
| 9 | Great George | | 9 |
| 10 | Rodney Street | | |
| 11 | Abercromby | 1 | 7 |
| 12 | Lime Street | | 28 |
| 13 | St. Anne's | 2 | 51 |
| 14 | West Derby | 263 | 69 |
| 15 | North Toxteth | 309 | 18 |
| 16 | South Toxteth | 13 | 92 |
| TOTAL | | 1232 | 395 |

INSANITARY PROPERTY PURCHASED OUT OF THE GRANT OF £5,000.

Only two houses in 8 Court, Gore Street, were purchased this year. They, with the remainder of the houses purchased in 1881, have all been demolished during the year—118 houses altogether.

PROPERTY TO BE ACQUIRED UNDER THE 6TH PRESENTMENT.

No purchases were made under this presentment in 1882, but 35, the remainder of those acquired in 1881, have been demolished, and the work in connection therewith carried out.

SUMMARY.

| | |
|--|-------|
| Total number of houses purchased out of grant from surplus, and demolished up to end of 1882..... | 130 |
| Under 6th Presentment | 45 |
| | <hr/> |
| | 175 |

SEWER VENTILATION TO END OF 1882.

| | |
|--|-----------|
| Number of 6-inch Iron Pipe Ventilating Shafts..... | 1,001 |
| Number of Street Ventilating Gratings..... | 4,048 |
| Old Sewers Ventilated | Miles 177 |

 LODGING-HOUSES.

The Health Committee have, since the passing of the Sanitary Act, 1866, ruled that, as far as possible, all registered lodging-houses should have a day apartment for the accommodation of their lodgers, and that all houses where single rooms were occupied by day and night should be registered as sub-let. The space required for a night lodger in a registered lodging-house is 300 cubical feet, while the space in a sub-let house for each adult is 350 feet.

There were on the register 1,104 lodging-houses at the end of 1881, and 1,035 at the end of 1882. This difference was occasioned by the removal of 343 old licences, and the addition of 274 new ones. The visits to lodging-houses are both by day and night. The lodging-houses of the better class, and especially those provided only with single beds for each person, and only with the number of beds equivalent to the number of lodgers allowed, are not visited at night except on grave suspicion or on complaint, or in the case of foreign emigrant lodging-houses. The night visits are pretty nearly restricted to the low districts and tramp houses. The number of day visits paid during the year was 44,478, and the night visits 6,900. The number of lodging-houses found overcrowded on the night visits was 34, the number of informations laid for breaches of the bye-laws was 115, with the results of fines in 110 cases to the extent of £29 12s., in sums varying from 1s. to 40s. and costs. The number of lodging-houses found dirty was 218; notices were served to lime-wash and cleanse.

It is necessary frequently to visit houses which are not licensed either as lodging or sub-let houses, especially when emigration is brisk or at race times. There were 2,614 such visits paid during the day, and in 43 of the cases where suspicion was confirmed they were followed up by night visits. A tenant harbouring lodgers is not taken before the Justices for the first offence, but is noticed to apply to have his rooms measured and licensed. There were 232

such notices issued during the year, but in only 10 cases did the tenants refuse to comply; they were brought before the Justices and fined. A bye-law requires that every case of infectious sickness in a lodging-house should be at once reported to the Medical Officer of Health. 80 cases of fever and 4 cases of small-pox occurred in lodging-houses; in 78 of the cases the patients were at once sent to hospital, the remaining 6, being members of the keepers' families, were not removed; 3 of these latter died. In all cases of fever or infectious disease the bedding was at once removed to the disinfecting apparatus, and the rooms purified and cleansed; in the cases where the patients remained, the licenses to receive lodgers were suspended by the Medical Officer. No lodger died from fever or small pox in a registered lodging-house; but, not including the cases of fever, there were 109 deaths from non-contagious diseases in lodging-houses, of which 64 belonged to the keepers' families and 45 were lodgers.

SUB-LET HOUSES.

The number of sub-let Houses on the Register at the termination of 1881 was 14,703; the number registered during 1882 was 565, making the total on the Register on the 31st December, 15,268. The number of visits paid during the night was 12,020, and during the day 72,024, with the result of finding 1,480 rooms overcrowded. In addition to overcrowding, the offence (though not punishable in sub-let houses) of permitting males and females not married to occupy the same room comes under the notice and is entered in the books of the Inspectors. There were 865 rooms thus indecently occupied by 1,231 males and 1,589 females, besides having also in these rooms 611 children between the ages of 5 and 13 years. The character of the indecent occupation may be judged of from the following facts:—In 455 instances one man and two women were found in the same bedroom; in 238 instances two men and one woman; in 64 instances two men and two women; in 41 instances one man and three women; in 33 instances one man and four women; in 17 instances three men and one woman; in 7 instances two men and three women; in 7 instances three men and two women; and in 3 instances four men and two women.

Informations were laid against 1,200 chief tenants for permitting overcrowding in rooms, with the following results:—1,027 fined 1s. and 1s. costs; 2 fined 1s. and 1s. 6d. costs; 3 fined 1s. 6d. and 1s. costs; 123 fined 2s. 6d. and 2s. 6d. costs; 14 fined 5s. and 4s. 6d. costs; 3 fined 10s. and 4s. 6d. costs; making a total of fines levied during the year of £142 17s. 6d. Of the remaining 28 cases, 23 informations were withdrawn and 5 acquitted, the tenants having abated the overcrowding.

LICENSES FOR CATTLE.

During the year 1882, 16 applications were made to the Health Committee for licenses to keep cows; 14 of the applications for keeping 371 cows were granted. There are at present 432 shippons licensed to keep 5,684 cows. 55 of the shippons previously licensed have been transferred to fresh tenants.

22 applications were made during the year to keep pigs in styres separate from and unconnected with shippons; 7 of the applications for keeping 20 pigs were granted. 48 piggeries licensed to keep 117 pigs have been given up during the year; 4 piggeries previously licensed have been transferred to fresh tenants. The total number of premises or styres now licensed in the City is 81, for keeping 236 pigs.

CONTAGIOUS DISEASES (ANIMALS) ACT, 1878.

This Act and the Orders issued under it by the Privy Council were referred to the Medical Officer to carry out, in conjunction with the Veterinary Inspector, the Inspector of Nuisances, and the Meat Inspectors.

During the year pleuro pneumonia was found in 6 cowsheds, affecting 15 cows, which were slaughtered by order of the owners or of the Corporation; and 16 cows, which were not diseased, but had been either in contact with the affected ones or in the same cowsheds, were slaughtered by order of the owners.

Foot and mouth disease was found in 2 cowsheds, affecting 13 cows; 8 recovered from the disease, and 5 were slaughtered by order of the owners, as also were 6 healthy animals which had either been in contact with the affected ones or in the same cowsheds.

Pig typhoid was found in one styre, where one pig died from the disease, and the remaining stock of five, which were free from the disease, were slaughtered by order of the owner.

Pig typhoid was detected in 46 pigs in the slaughter-houses; 44 of the diseased animals were amongst pigs imported from Ireland.

DAIRIES, COWSHEDS, AND MILKSHOPS ORDER.

| | |
|---|------|
| Number of applications for registration during the year | 435 |
| Of which transfers were | 152 |
| Number of applications granted..... | 331 |
| ,, ,, refused..... | 104 |
| Number on the register at the end of 1882 | 1577 |
| ,, ,, ,, 1881 | 1445 |
| <hr/> | |
| An increase of | 132 |
| <hr/> | |

SUMMARY of Veterinary Inspections, under the Contagious Diseases (Animals) Act, from October 1st, 1878, to December 31st, 1882, by Richard S. Reynolds, M.R.C.V.S., Veterinary Inspector for the Corporation of Liverpool.

TABLE No. 1.
PLEURO-PNEUMONIA.

| Post Mortem Examinations of Lungs or Carcasses. | PRIMARY INSPECTIONS. | | Examination of Animals in infected places for Slaughter. | | Animals examined for re-entry into infected places after disinfection. | Inspection of infected places cleansed and disinfected. |
|---|-----------------------------|------------------------|---|-----------|---|--|
| | No. of Animals Examined. | No. found Affected. | Healthy. | Diseased. | | |
| 36 | No Record. | 22 | 129 | 41 | 16 | 25 |

TABLE No. 2.
SWINE TYPHOID.

| No. of Pigs examined. | No. of Carcases examined. | Examination of Animals for removal for Slaughter. | Inspection of infected places cleansed and disinfected. |
|-----------------------|---------------------------|---|---|
| 37 | 17 | 9 | 11 |

SUMMARY of Veterinary Inspections under the Contagious Diseases (Animals) Act—*Continued.*

TABLE No. 3.
FOOT AND MOUTH DISEASE.

| Post Mortem Examinations. | PRIMARY INSPECTIONS. | | Inspection of Animals in infected places for Slaughter. | | Inspection of Animals after convalescence. | Inspection of infected places cleansed and disinfected. |
|------------------------------|-----------------------------|------------------------|--|------------|---|---|
| | No. of Animals examined. | No. found Affected. | Healthy. | Diseased. | | |
| Cattle | 19 | 6 | 2 | — | 1 | 1 |
| Swine | 78 | 28 | 14 | No Record. | — | — |
| Other Animals.... | — | — | — | — | — | — |
| Total | 97 | 34 | 16 | — | 1 | 1 |

TABLE No. 4.
GENERAL.

| EXAMINATION OF ANIMALS IN TRANSIT. | | | |
|------------------------------------|-----------|-------------------|-----------|
| FOR EXPORT. | | LANDED COASTWISE. | |
| Healthy. | Diseased. | Healthy. | Diseased. |
| Cattle..... | 1 | 214 | — |
| Sheep..... | — | — | — |
| Swine..... | — | 134 | — |

PROCEEDINGS UNDER THE CONTAGIOUS DISEASES (ANIMALS) ACT, 1878.

| | |
|---|--------|
| Number of Visits to Railway Stations | 1,090 |
| ,, Inspections of pens | 30,302 |
| ,, found clean | 23,660 |
| ,, ,, dirty and cleansed before being used | 6,642 |
| ,, Inspections of Trucks | 16,713 |
| ,, found clean | 15,048 |
| ,, ,, dirty and cleansed before being used, with the exception of 7 for which informations were laid | 1,665 |
| ,, Inspections of Horse Boxes | 1,051 |
| ,, found clean | 829 |
| ,, ,, dirty and cleansed before being used, with the exception of 1 for which information was laid | 222 |
| Number of Inspections of Vessels | 1,413 |
| ,, found clean | 720 |
| ,, ,, dirty and cleansed before being used or going to Sea without cattle or cargo, with the exception of 25 for which informations were laid | 693 |
| ,, Inspections of Gangways | 2,068 |
| ,, found clean | 1,235 |
| ,, ,, dirty and cleansed before being used, with the exception of 1 for which information was laid | 833 |
| Number of Inspections of Lairage and Sale Yards | 2,001 |
| ,, found clean | 1,549 |
| ,, ,, dirty and cleansed before being used with the exception of 1 for which information was laid | 452 |
| Total Number of Informations | 35 |
| ,, ,, Fined | 29 |
| Amount of Fines £41 8 6 | |

CANAL BOATS ACT, 1877.

Canal Boats Registered up to 31st December, 1882,

347 BOATS.

122 Boats have both cabins registered; 9 are allowed 3 persons in the after cabin and 2 in the fore cabin; 77 are allowed 3 in the after cabin and 3 in the fore cabin; 35 are allowed 4 in the after cabin and 2 in the fore cabin; and 1 is allowed 4 in the after cabin and 3 in the fore cabin. 86 of these boats are occasionally used as "fly" boats, and when so used 1 is allowed 4 persons; 54 are allowed 5 persons each; and 31 are allowed 6 persons each.

26 Boats only used as "fly" boats are allowed 112.

199 Boats have only the after cabins registered; 4 are allowed 3 persons each; 192 allowed 4 persons each; and 3 allowed 5 persons each.

MORTUARIES.

During the year 47 bodies were, by order of the Justices on the certificate of the Medical Officer, removed to the Mortuaries provided by the Council under section 142 of the Public Health Act, 1875.

CASES OF INFECTIOUS DISEASE COMING UNDER THE NOTICE OF THE MEDICAL OFFICER OF HEALTH DURING 1882.

| Year—1882. | Small Pox. | Fever. | Scarlatina. | Measles. | Diphtheria | TOTAL. |
|---------------------------|------------|--------|-------------|----------|------------|--------|
| January | 7 | 136 | 134 | 156 | 8 | 441 |
| February | 5 | 153 | 136 | 69 | 11 | 374 |
| March | 10 | 169 | 130 | 134 | 10 | 453 |
| April | 12 | 150 | 79 | 85 | 8 | 334 |
| May | 13 | 177 | 99 | 322 | 2 | 613 |
| June | 6 | 140 | 105 | 236 | 6 | 493 |
| July | 5 | 138 | 70 | 130 | 1 | 344 |
| August | 3 | 186 | 79 | 85 | 5 | 358 |
| September | 3 | 266 | 155 | 63 | 7 | 494 |
| October | 3 | 303 | 220 | 133 | 11 | 670 |
| November | .. | 443 | 198 | 155 | 12 | 808 |
| December | .. | 382 | 175 | 203 | 5 | 765 |
| TOTAL | 67 | 2,643 | 1,580 | 1,771 | 86 | 6,147 |
| Removed to Hospital | 56 | 2,033 | 170 | 242 | 1 | 2,502 |

Of the patients removed to Hospital the following were conveyed by the Sanitary Officers:—806 cases of Fever and Scarlatina, 24 cases of Small Pox, 23 cases of Measles, 3 cases of Diphtheria, 1 case of Chicken Pox, and 1 case of Erysipelas, making a total of 858 persons. 178 were taken to Netherfield Road Hospital, 620 to the Parish Workhouse Hospital, 17 to Toxteth Workhouse Hospital, and 43 to West Derby Union Hospital. 9 of the Small Pox cases were removed from ships.

In accordance with the arrangements made with the School Board, 2,759 post cards were sent to the Head Masters of the various schools, informing them that children from infected houses attended their schools. Similar information was sent to the School Board.

DISINFECTION OF HOUSES.

In all cases of infectious disease the houses were disinfected, free of cost, with sulphurous gas, by officers appointed by the Health Committee; but whenever there was sickness in any room of the house so as to endanger health by the use of sulphurous gas, carbolic acid powder was freely sprinkled in the rooms and passages of the house until the sulphurous gas could be used safely. No house is considered properly disinfected until sulphurous gas has been used. The existence of sickness, and the consequent employment of carbolic acid powder, necessitate many visits by the persons in charge of disinfection. There were in all 6,760 visits paid during the year to houses for the purpose of disinfection, the number of houses properly disinfected being 3,043.

THE DISINFECTING APPARATUS.

The number of articles disinfected at the Apparatus during the year amounted to 39,944.

| DATE. 1882. | Number of Beds. | Number of Mattresses. | Number of Pieces of Bedding. | Number of Pieces of Wearing Apparel, &c. | Total Number of Articles. |
|------------------|--------------------|--------------------------|------------------------------------|---|---------------------------------|
| Week ending— | | | | | |
| January 7..... | 53 | 44 | 325 | 205 | 627 |
| „ 14. | 44 | 32 | 239 | 129 | 444 |
| „ 21..... | 42 | 59 | 300 | 163 | 564 |
| „ 28..... | 56 | 51 | 361 | 190 | 658 |
| February 4..... | 47 | 58 | 259 | 58 | 422 |
| „ 11..... | 45 | 67 | 298 | 184 | 594 |
| „ 18..... | 61 | 61 | 355 | 95 | 572 |
| „ 25..... | 51 | 106 | 490 | 619 | 1,266 |
| March 4..... | 39 | 40 | 436 | 3,093 | 3,608 |
| „ 11..... | 40 | 54 | 359 | 426 | 879 |
| „ 18..... | 55 | 50 | 318 | 177 | 600 |
| „ 25..... | 54 | 65 | 310 | 96 | 525 |
| April 1..... | 46 | 65 | 308 | 197 | 616 |
| „ 8..... | 42 | 59 | 250 | 170 | 521 |
| „ 15..... | 49 | 53 | 265 | 251 | 618 |
| „ 22..... | 49 | 54 | 298 | 286 | 687 |
| „ 29..... | 34 | 46 | 172 | 120 | 372 |
| May 6..... | 42 | 61 | 288 | 133 | 524 |
| „ 13..... | 46 | 60 | 259 | 94 | 459 |
| „ 20..... | 52 | 47 | 303 | 111 | 513 |
| „ 27..... | 62 | 68 | 443 | 203 | 776 |
| June 8..... | 24 | 24 | 124 | 100 | 272 |
| „ 10..... | 41 | 51 | 265 | 113 | 470 |
| „ 17..... | 46 | 62 | 250 | 117 | 475 |
| „ 24..... | 27 | 28 | 164 | 125 | 344 |
| July 1..... | 36 | 35 | 200 | 79 | 350 |
| „ 8..... | 37 | 31 | 154 | 93 | 315 |
| „ 15..... | 39 | 53 | 235 | 93 | 420 |
| „ 22..... | 40 | 40 | 207 | 80 | 367 |
| „ 29..... | 38 | 37 | 207 | 129 | 411 |
| August 5..... | 39 | 32 | 181 | 126 | 378 |
| „ 12..... | 39 | 50 | 188 | 224 | 501 |
| „ 19..... | 37 | 29 | 194 | 167 | 427 |
| „ 26..... | 45 | 41 | 218 | 83 | 387 |
| September 2..... | 53 | 53 | 269 | 122 | 497 |
| „ 9..... | 65 | 54 | 277 | 252 | 648 |
| „ 16..... | 67 | 78 | 370 | 200 | 715 |
| „ 23..... | 65 | 84 | 385 | 123 | 657 |
| „ 30..... | 76 | 99 | 417 | 401 | 993 |
| October 7..... | 67 | 98 | 395 | 184 | 744 |
| „ 14..... | 101 | 81 | 468 | 237 | 887 |
| „ 21..... | 90 | 111 | 502 | 332 | 1,035 |
| „ 28..... | 80 | 102 | 374 | 248 | 804 |
| November 4..... | 95 | 115 | 524 | 261 | 995 |
| „ 11..... | 83 | 108 | 412 | 349 | 952 |
| „ 18..... | 114 | 119 | 604 | 285 | 1,122 |
| „ 25..... | 112 | 133 | 602 | 649 | 1,496 |
| December 2..... | 104 | 101 | 678 | 679 | 1,562 |
| „ 9..... | 86 | 93 | 548 | 829 | 1,556 |
| „ 16..... | 84 | 108 | 576 | 640 | 1,408 |
| „ 23..... | 79 | 91 | 459 | 683 | 1,312 |
| „ 30..... | 82 | 99 | 735 | 683 | 1,599 |
| Totals | 3,000 | 3,440 | 17,818 | 15,686 | 39,944 |

The number of articles destroyed at the Apparatus during the year amounted to 941.

| DATE. 1882. | Number of Beds. | Number of Mattresses. | Number of Pieces of Bedding. | Number of Pieces of Wearing Apparel, &c. | Total Number of Articles. |
|------------------|--------------------|--------------------------|------------------------------------|---|---------------------------------|
| Week ending— | | | | | |
| January 7..... | 2 | 7 | 5 | .. | 14 |
| „ 14..... | 5 | 4 | 9 | 2 | 20 |
| „ 21..... | 4 | 7 | 3 | .. | 14 |
| „ 28..... | 8 | 8 | 3 | .. | 19 |
| February 4..... | .. | 11 | .. | .. | 11 |
| „ 11..... | 2 | 12 | 5 | .. | 19 |
| „ 18..... | 1 | 6 | 12 | .. | 19 |
| „ 25..... | 1 | 2 | 2 | .. | 5 |
| March 4..... | .. | .. | .. | .. | .. |
| „ 11..... | .. | 2 | .. | .. | 2 |
| „ 18..... | 4 | 4 | 4 | 10 | 22 |
| „ 25..... | 4 | 1 | 8 | 6 | 19 |
| April 1..... | 5 | 2 | 19 | 3 | 29 |
| „ 8..... | 2 | 10 | .. | .. | 12 |
| „ 15..... | 3 | 16 | 2 | .. | 21 |
| „ 22..... | 3 | 11 | 28 | 5 | 47 |
| „ 29..... | 4 | 5 | 4 | 53 | 66 |
| May 6..... | 3 | 6 | 10 | 10 | 29 |
| „ 13..... | 2 | 4 | 2 | .. | 8 |
| „ 20..... | 5 | 2 | 2 | .. | 9 |
| „ 27..... | 4 | 10 | 4 | .. | 18 |
| June 8..... | 1 | .. | .. | .. | 1 |
| „ 10..... | 3 | 2 | 3 | .. | 8 |
| „ 17..... | 1 | .. | 1 | 5 | 7 |
| „ 24..... | .. | .. | .. | .. | .. |
| July 1..... | 1 | 2 | 5 | 7 | 15 |
| „ 8..... | 3 | 6 | 19 | 4 | 32 |
| „ 15..... | 1 | 2 | 1 | .. | 4 |
| „ 22..... | 6 | 10 | 19 | 2 | 37 |
| „ 29..... | 4 | 6 | 5 | .. | 15 |
| August 5..... | 5 | 4 | 8 | .. | 17 |
| „ 12..... | 1 | 8 | .. | .. | 9 |
| „ 19..... | 3 | 8 | 4 | .. | 15 |
| „ 26..... | .. | 2 | .. | .. | 2 |
| September 2..... | 5 | 15 | 7 | 19 | 46 |
| „ 9..... | 2 | 10 | .. | .. | 12 |
| „ 16..... | 6 | 15 | 11 | 5 | 37 |
| „ 23..... | 1 | 8 | .. | .. | 9 |
| „ 30..... | 2 | 15 | 6 | .. | 23 |
| October 7..... | 5 | 6 | 6 | 2 | 19 |
| „ 14..... | .. | 7 | 1 | 2 | 10 |
| „ 21..... | 2 | 6 | 6 | 26 | 40 |
| „ 28..... | 3 | 15 | 11 | 10 | 39 |
| November 4..... | 1 | 3 | .. | .. | 4 |
| „ 11..... | 6 | 18 | 7 | 3 | 34 |
| „ 18..... | 3 | 13 | 10 | .. | 26 |
| „ 25..... | 3 | 11 | 10 | 2 | 26 |
| December 2..... | 2 | 6 | 5 | .. | 13 |
| „ 9..... | 3 | 8 | .. | .. | 11 |
| „ 16..... | 1 | 2 | .. | .. | 3 |
| „ 23..... | 2 | 6 | 6 | 7 | 21 |
| „ 30..... | 2 | .. | 1 | .. | 3 |
| Totals | 140 | 344 | 274 | 183 | 941 |

INSPECTOR OF NUISANCES' REPORT FOR THE YEAR 1882.
SLAUGHTER-HOUSE RETURNS OF CATTLE KILLED IN
THE CITY, 1882.

| STREET. | | Beasts. | Sheep. | Lambs. | Calves. | Pigs. | Dead Meat imported for Sale at the Abattoir. | | | |
|---|--------------------------|---------|--------|--------|---------|-------|--|--------|-------|---------|
| | | | | | | | Beasts. | Sheep. | Pigs. | Calves. |
| Abattoir | | 30330 | 157250 | .. | 13901 | 16988 | 8280 | 67006 | 124 | .. |
| Foreign Animals' Wharf— Huskisson Dock | | 3302 | 506 | .. | .. | .. | .. | .. | .. | .. |
| Canada Dock.....} | | | | | | | | | | |
| NEW PARTS. | Byles Street | 148 | 1709 | 364 | 2 | 2 | .. | .. | .. | .. |
| | Browside | 553 | 404 | 95 | .. | .. | .. | .. | .. | .. |
| | Back Empire Street | 374 | 972 | 71 | 12 | .. | .. | .. | .. | .. |
| | Back Castle Street | 812 | 831 | 109 | 2 | .. | .. | .. | .. | .. |
| | Cotter Street | 13 | .. | .. | .. | 2269 | .. | .. | .. | .. |
| | Corlett Street | 439 | 1898 | 464 | 144 | 194 | .. | .. | .. | .. |
| | Crown Street | 673 | 1610 | 300 | 24 | 9 | .. | .. | .. | .. |
| | Darnley Street | .. | .. | .. | .. | 1167 | .. | .. | .. | .. |
| | Embledon Street | 776 | 2027 | 490 | 49 | 74 | .. | .. | .. | .. |
| | Foley Street | 380 | 341 | 134 | 32 | 2 | .. | .. | .. | .. |
| | Gelling Street | 441 | 257 | 533 | 98 | 2 | .. | .. | .. | .. |
| | Mount Vernon | 726 | 5253 | 1230 | 77 | .. | .. | .. | .. | .. |
| | Parliament Street..... | 634 | 1424 | 379 | 117 | 14 | .. | .. | .. | .. |
| | Peel Street..... | 144 | 1581 | 336 | 4 | .. | .. | .. | .. | .. |
| | Wavertree Road | 22 | 46 | .. | 2 | .. | .. | .. | .. | .. |
| OLD PARTS. | Bevington Hill | 1697 | 99 | 46 | 384 | 9 | .. | .. | .. | .. |
| | Benledi Street | 303 | 44 | 1 | 8 | 835 | .. | .. | .. | .. |
| | Byrom Street..... | .. | .. | .. | .. | 595 | .. | .. | .. | .. |
| | Bolton Street..... | 1371 | 3994 | 782 | 38 | .. | .. | .. | .. | .. |
| | Back Commutation Row (1) | 450 | 2112 | 241 | 15 | 5 | .. | .. | .. | .. |
| | „ „ (2) | 667 | 2714 | 255 | 50 | .. | .. | .. | .. | .. |
| | Cross Street | .. | .. | .. | .. | 12219 | .. | .. | .. | .. |
| | Finch Place | 475 | 1157 | 257 | 11 | .. | .. | .. | .. | .. |
| | Frederick Street | 505 | 2196 | 275 | 1 | 212 | .. | .. | .. | .. |
| | Hodson Street | 143 | 1109 | 118 | .. | .. | .. | .. | .. | .. |
| | Leeds Street | 731 | 448 | 30 | .. | 2109 | .. | .. | .. | .. |
| | Lydia Ann Street..... | 218 | 298 | 83 | .. | .. | .. | .. | .. | .. |
| | Norman Street | .. | .. | .. | .. | 4188 | .. | .. | .. | .. |
| | Norfolk Street | 283 | 1148 | 678 | .. | .. | .. | .. | .. | .. |
| | Plumbe Street | .. | .. | .. | .. | 257 | .. | .. | .. | .. |
| | Price Street | .. | 47 | .. | .. | .. | .. | .. | .. | .. |
| | St. James Street | 114 | 1408 | 122 | .. | .. | .. | .. | .. | .. |
| | Scotland Road | 31 | 485 | .. | 281 | .. | .. | .. | .. | .. |
| | Soho Street | .. | .. | .. | .. | 2142 | .. | .. | .. | .. |
| | Upper Milk Street | 976 | 103 | .. | .. | 19228 | .. | .. | .. | .. |
| Total in Private Slaughter-houses | | 14099 | 35715 | 7393 | 1351 | 45532 | .. | .. | .. | .. |
| Total in the City | | 47731 | 293471 | 7393 | 15252 | 62520 | 8280 | 67006 | 124 | .. |

UNWHOLESOME MEAT, FISH, &c., SEIZED AND DESTROYED.

| DATE.—1882. | | Beef. | Veal. | Mutton. | Lamb. | Pork. | Poultry | Rabbits | Fish. | Shell-fish. | Oysters. |
|---------------------|------------------------|-------|-------|---------|-------|-------|---------|---------|--------|-------------|----------|
| | | Lbs. | Lbs. | Lbs. | Lbs. | Lbs. | Head | Head | Lbs. | Bags. | Thous. |
| SLAUGHTER HOUSES. | Abattoir..... | 58981 | 15822 | 17008 | .. | 4636 | .. | .. | .. | .. | .. |
| | Bevington Hill | 21804 | 4546 | 1175 | .. | 250 | .. | .. | .. | .. | .. |
| | Benledi Street | .. | .. | .. | .. | 200 | .. | .. | .. | .. | .. |
| | Cross Street | .. | .. | .. | .. | 2354 | .. | .. | .. | .. | .. |
| | Cotter Street | 1050 | .. | .. | .. | 946 | .. | .. | .. | .. | .. |
| | Corlett Street | .. | .. | 23 | .. | .. | .. | .. | .. | .. | .. |
| | Darnley Street | .. | .. | .. | .. | 196 | .. | .. | .. | .. | .. |
| | Embledon Street | .. | .. | 98 | .. | .. | .. | .. | .. | .. | .. |
| | Finch Place | .. | .. | 75 | .. | .. | .. | .. | .. | .. | .. |
| | Gelling Street | 1188 | 518 | .. | .. | .. | .. | .. | .. | .. | .. |
| | Parliament Street.... | 1520 | 185 | 105 | .. | .. | .. | .. | .. | .. | .. |
| | Soho Street | .. | .. | .. | .. | 415 | .. | .. | .. | .. | .. |
| | Scotland Road | 600 | 748 | .. | .. | .. | .. | .. | .. | .. | .. |
| | Upper Milk Street .. | 2335 | 119 | 138 | .. | 1347 | .. | .. | .. | .. | .. |
| MARKETS. | St. John's | 104 | 103 | 95 | .. | 3 | 19 | 35 | 133862 | 178 | 7000 |
| | St. James' | 126 | .. | .. | .. | .. | 7 | .. | .. | .. | .. |
| | St. Martin's | .. | .. | .. | .. | 485 | .. | .. | .. | .. | .. |
| OTHER PARTS. | Ben Jonson Street.... | .. | .. | .. | .. | .. | .. | .. | 448 | .. | .. |
| | Back Roe Street | .. | .. | .. | .. | .. | 210 | .. | 116 | .. | .. |
| | Breck Road | .. | .. | .. | .. | .. | .. | .. | 10 | .. | .. |
| | Bute Street..... | .. | .. | .. | .. | .. | .. | .. | 40 | .. | .. |
| | Brownlow Hill | .. | .. | .. | .. | .. | .. | .. | 6 | .. | .. |
| | Copperas Hill | .. | .. | .. | .. | 370 | .. | .. | .. | .. | .. |
| | Canada Dock..... | 960 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | Collingwood Street .. | .. | .. | .. | .. | 60 | .. | .. | .. | .. | .. |
| | Central Station..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | 35000 |
| | Dale Street..... | .. | .. | 35 | .. | .. | .. | .. | 23 | .. | .. |
| | Eastbourne Street.... | .. | .. | .. | .. | .. | .. | .. | 12 | .. | .. |
| | Everton Crescent | 214 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | Farnworth Street | .. | .. | .. | .. | .. | .. | .. | 12 | .. | .. |
| | Fox Street | .. | .. | .. | .. | .. | .. | .. | 40 | .. | .. |
| | Great Charlotte Street | .. | .. | .. | .. | .. | .. | .. | 25344 | .. | .. |
| | Great Homer Street.. | .. | .. | 11 | .. | .. | .. | .. | 60 | 3 | .. |
| | Great Howard Street.. | .. | .. | .. | .. | .. | .. | .. | 10 | .. | .. |
| | Gill Street | .. | .. | .. | .. | 281 | .. | .. | .. | .. | .. |
| | Granby Street | .. | .. | .. | .. | .. | .. | .. | 20 | .. | .. |
| | Huskisson Dock | 3040 | .. | 49 | .. | .. | .. | .. | .. | .. | .. |
| | Hope Street | .. | .. | .. | .. | 95 | .. | .. | .. | .. | .. |
| | Kensington | .. | .. | .. | .. | .. | .. | .. | 10 | .. | .. |
| | Leeds Street | .. | .. | .. | .. | 200 | .. | .. | .. | .. | .. |
| | Latimer Street | .. | .. | .. | .. | .. | .. | .. | 20 | .. | .. |
| | Limekiln Lane | .. | .. | .. | .. | .. | .. | .. | 20 | .. | .. |
| | Lime Street | 10 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | Lime Street Station.. | .. | .. | .. | .. | .. | .. | .. | 9250 | .. | .. |
| | Market Street | .. | .. | .. | .. | .. | .. | .. | 300 | .. | .. |
| | Mill Street..... | .. | .. | 33 | .. | .. | .. | .. | 101 | .. | .. |
| | Manisty Lane | .. | .. | .. | .. | .. | .. | .. | 560 | .. | .. |
| Carried forward.... | | 91932 | 22041 | 18845 | .. | 11838 | 236 | 35 | 170264 | 181 | 42000 |

UNWHOLESOME MEAT, FISH, &c., SEIZED AND DESTROYED
Continued.

| DATE.—1882. | | Beef. | Veal. | Mutton | Lamb. | Pork. | Poultry | Rabbits | Fish. | Shell-fish. | Oysters. |
|--------------------|-------------------------|-------|-------|--------|-------|-------|---------|---------|--------|-------------|----------|
| | | Lbs. | Lbs. | Lbs. | Lbs. | Lbs. | Head | Head | Lbs. | Bags. | Thous. |
| Brought forward .. | | 91932 | 22041 | 18845 | .. | 11838 | 236 | 35 | 170264 | 181 | 42000 |
| OTHER PARTS. | Mansfield Street | .. | .. | .. | .. | .. | .. | .. | 20 | .. | .. |
| | Midghall Street | .. | .. | .. | .. | .. | .. | .. | 23 | .. | .. |
| | Paddington | .. | .. | 6 | .. | .. | .. | .. | .. | .. | .. |
| | Pownall Square | .. | .. | .. | .. | .. | .. | .. | 7 | .. | .. |
| | Pitt Street | .. | .. | .. | .. | .. | .. | .. | 3072 | .. | .. |
| | Park Road | 5 | .. | .. | .. | .. | .. | .. | 10 | .. | .. |
| | Royston Street | .. | .. | .. | .. | .. | .. | .. | 70 | .. | .. |
| | Roe Street | .. | .. | .. | .. | .. | .. | .. | 549 | .. | .. |
| | Rose Street | .. | .. | .. | .. | .. | 23 | 10004 | 4 | .. | .. |
| | Sawney Pope Street .. | .. | .. | .. | .. | .. | .. | .. | 607 | .. | .. |
| | St. James Street | .. | .. | .. | .. | .. | .. | .. | 30 | .. | .. |
| | Soho Street | .. | .. | .. | .. | .. | .. | .. | 60 | .. | .. |
| | St. James Place | .. | .. | .. | .. | .. | .. | .. | 14 | .. | .. |
| | Smith Street | .. | .. | .. | .. | .. | .. | .. | 10 | .. | .. |
| | Scourfield Street | .. | .. | .. | .. | .. | .. | .. | 12 | .. | .. |
| | Stanhope Street | .. | .. | .. | .. | 14 | .. | .. | .. | .. | .. |
| | Skelhorne Street | 23 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | Smithdown Lane | .. | .. | 54 | .. | .. | .. | .. | .. | 1 | .. |
| | Warwick Street | .. | .. | .. | .. | .. | .. | .. | 400 | .. | .. |
| | Wavertree Road | .. | .. | .. | .. | .. | .. | .. | 17 | .. | .. |
| | Whitley Street | .. | .. | .. | .. | .. | .. | .. | 45 | .. | .. |
| | Windsor Street | .. | .. | 3 | .. | .. | 2 | .. | .. | .. | .. |
| | William Henry Street. | .. | .. | .. | .. | .. | .. | .. | 14 | .. | .. |
| Total | | 91960 | 22041 | 18908 | .. | 11852 | 236 | 60 | 185228 | 186 | 42000 |

| | Tons. | cwts. | qrs. | lbs. |
|---------------------|-------|-------|------|------|
| Meat—Equal to | 64 | 12 | 2 | 1 |
| Fish ,, | 82 | 13 | 3 | 8 |

| | |
|--|----------|
| Number of Visits to Slaughterhouses made by Meat Inspectors | 15,616 |
| ,, Informations for Exposing for Sale Diseased Meat and Fish | 87 |
| ,, Fined | 58 |
| ,, Sent to Gaol | 7 |
| Amount of Fines | £146 2 1 |

NUISANCES.

| | |
|---|----------|
| Nuisances inspected, complained of by Inhabitants | 2,513 |
| ,, Reported by District Officers | 88,689 |
| ,, Notices issued | 50,920 |
| ,, Referred to the Medical Officer | 13,094 |
| ,, ,, City Engineer | 4,589 |
| ,, ,, Building Surveyor | 1,284 |
| ,, ,, Water Engineer | 7,966 |
| ,, ,, Superintendent of Scavengers | 4,461 |
| Number of Nuisance Informations | 3,230 |
| ,, Fined | 582 |
| ,, Magistrates' Orders to abate.. .. . | 1,157 |
| ,, Withdrawn and Acquitted, the work being done.. .. . | 1,491 |
| Amount of Fines | £166 7 6 |

HOUSE TO HOUSE VISITATION.

| | |
|---|---------|
| Number of Streets Examined | 7,519 |
| ,, Street Houses Examined | 95,795 |
| ,, ,, found Clean | 92,166 |
| ,, ,, ,, Dirty | 3,629 |
| ,, Apartments in Street Houses Examined | 308,858 |
| ,, Courts Examined | 6,529 |
| ,, Court Houses Examined | 29,272 |
| ,, ,, found Clean | 26,187 |
| ,, ,, ,, Dirty | 3,085 |
| ,, Apartments in Court Houses Examined | 85,755 |
| ,, Re-inspections of Dirty Houses | 17,372 |
| Total Number of Houses Examined | 142,439 |

CELLAR EXAMINATIONS.

| | | | | | |
|---|----|----|----|----|--------|
| Number of Streets in which Cellars were Inspected | .. | .. | .. | .. | 2,760 |
| „ Cellars Inspected | .. | .. | .. | .. | 37,158 |
| „ „ found Empty | .. | .. | .. | .. | 16,269 |
| „ „ Illegally Occupied | .. | .. | .. | .. | 945 |
| „ „ Legally | .. | .. | .. | .. | 19,944 |
| „ Courts in which Cellars were Inspected | .. | .. | .. | .. | 2,462 |
| „ Cellars Inspected | .. | .. | .. | .. | 11,031 |
| „ „ found Empty | .. | .. | .. | .. | 8,229 |
| „ „ „ Illegally Occupied | .. | .. | .. | .. | 165 |
| „ „ „ Legally | „ | .. | .. | .. | 2,637 |
| „ Cellar Notices Issued | .. | .. | .. | .. | 982 |
| „ „ Informations | .. | .. | .. | .. | 306 |
| „ Fined | .. | .. | .. | .. | 280 |
| „ Withdrawn | .. | .. | .. | .. | 26 |

Amount of Fines £33 18 0

INFECTED AND DIRTY HOUSES.

| | | | | |
|--|----|----|----|--------------|
| 1,886 Infected Street Houses Inspected, containing | .. | .. | .. | 2,684 cases. |
| 776 „ Court „ „ „ | .. | .. | .. | 1,098 „ |
| 77 „ Cellars „ „ „ | .. | .. | .. | 92 „ |
| Number of Notices to Owners to Cleanse Infected Houses | .. | .. | .. | 2,612 |
| „ „ Occupiers to Whitewash Dirty Houses | .. | .. | .. | 7,664 |
| „ „ Owners to Whitewash Exterior of Courts | .. | .. | .. | 3,065 |
| „ Renewed Notices to Whitewash | .. | .. | .. | 4,400 |
| „ Informations against Infected and Dirty Houses | .. | .. | .. | 907 |
| „ Fined | .. | .. | .. | 207 |
| „ Acquitted and Withdrawn | .. | .. | .. | 700 |

Amount of Fines £73 12 6

SHIPPON AND PIGGERY INSPECTION.

| | | | | | |
|---|----|----|----|----|-------|
| Number of Inspections of Shippons and Piggeries | .. | .. | .. | .. | 1,308 |
| „ Informations | .. | .. | .. | .. | 30 |
| „ Fined | .. | .. | .. | .. | 27 |

Amount of Fines £10 9 0

COURT AND PRIVY EXAMINATIONS.

| | | | | | | | |
|---|----|----|----|----|----|---------|---------|
| Number of Visits to Courts and Alleys | .. | .. | .. | .. | .. | .. | 123,188 |
| „ Closets found Dirty, but Cleansed during Officer's Inspection | .. | | | | | | 97,156 |
| „ Informations | .. | .. | .. | .. | .. | .. | 25 |
| „ Fined | .. | .. | .. | .. | .. | .. | 18 |
| Amount of Fines | .. | .. | .. | .. | .. | £3 10 6 | |

PROCEEDINGS FOR EXCESSIVE SMOKE.

| | | | | | | |
|--|----|----|----|----|----|-----------|
| Number of Informations against Manufactories | .. | .. | .. | .. | .. | 467 |
| „ „ Steamers | .. | .. | .. | .. | .. | 179 |
| „ Fined | .. | .. | .. | .. | .. | 626 |
| „ Acquitted or Withdrawn | .. | .. | .. | .. | .. | 20 |
| Amount of Fines | .. | .. | .. | .. | .. | £651 11 0 |

PROCEEDINGS UNDER THE ADULTERATION ACT.

| No. of Samples. | Description of Samples. | Results of Analysis. |
|-----------------|-------------------------|---|
| 281 | Milk | 41 were adulterated and informations laid. |
| 7 | Butter | 1 was ,, ,, |
| 2 | Coffee | 2 were ,, ,, |
| 1 | Cocoa | 1 was ,, ,, |
| 14 | Spirits | 1 ,, ,, ,, |
| 15 | Drugs | Not adulterated. |
| 10 | Ale | ,, ,, |
| 6 | Preserved Peas .. | ,, ,, |
| 2 | Bread | ,, ,, |
| 2 | Sweetmeats | ,, ,, |
| 2 | Preserves | ,, ,, |
| 1 | Lard | ,, ,, |
| 1 | Cream | ,, ,, |
| 1 | Tinned Fish..... | ,, ,, |
| 345 | | |

The number of prosecutions was 46, the result being that 5 cases were dismissed with a caution or withdrawn, and in 41 cases penalties were inflicted varying from 5s. to £5 and costs, amounting in all to £75 13s. 6d. 2 informations were laid for refusing to sell samples of milk, and fines inflicted respectively of 40s. and costs and 60s. and costs.

WATER CLOSET CONVERSIONS.

[illegible]

SMOTHERED CATTLE.

| Beasts. | Sheep. | Pigs. | Number found good. | Number found bad. | Weight of Bad in pounds. |
|---------|--------|-------|--------------------|-------------------|--------------------------|
| 53 | 113 | 88 | 210 | 44 | 13,134 |

REMOVALS TO MORTUARIES AND HOSPITALS.

| Bodies Removed to Mortuaries. | | | | Persons Removed to Hospitals. | | | | |
|-------------------------------|---------------|----------|------------|-------------------------------|------------|---------------|-----------------------|-----------------|
| Smithdown Road. | St. Martin's. | Anfield. | Mill Road. | Brownlow Hill. | Mill Road. | Toxteth Park. | Children's Infirmary. | Netherfield Rd. |
| 2 | 43 | 1 | 1 | 620 | 43 | 17 | .. | 178 |

KNACKERS' YARDS RETURNS.

| Horses Destroyed. | Asses Destroyed. | Other Animals Destroyed. |
|-------------------|------------------|--------------------------|
| 2,629 | 39 | 16 |

SCAVENGING OPERATIONS.

The additional work thrown upon the Scavenging Department by the prevalence of fever, and the increased attention required to the districts, where the disease principally existed, were satisfactorily carried out under the able direction of Mr. Reynolds, who was most willing to assist the Medical Officer in dealing with the epidemic. The character of the work is described in an early part of this report in detailing the various measures adopted for the prevention of infectious disease.

The accompanying tables illustrate the great cleansing work conducted by this department, which is so necessary for the health and comfort of this great community, and the quiet, steady, and almost unnoticed way in which the work is done reflects the greatest credit upon the whole staff.

Mr. Richard S. Reynolds, M.R.C.V.S., the Veterinary Superintendent has charge of the Scavenging Department and has kindly prepared the tables as in previous years.

Year 1882.

TABLE No. 1.

NIGHT SERVICE FOR EMPTYING MIDDENS, COURT ASHPITS, AND SOME OFFICE ASHPITS.

| Loads of Nightsoil and Ashes. | | | | Nightly average Working Staff. | | | | Analysis of Work. | | Average contents of each Midden. | | | | | |
|-------------------------------|------------------------|-----------------|--------|--------------------------------|------------------|------------|-------------|-------------------|--------|----------------------------------|--------------------------|---------------------------|-------------|----------------|-----------------------|
| Notices Received. | Middens, &c., Emptied. | Number Removed. | | Where Deposited. | | | Midden Men. | Wharf Men. | Carts. | Horses. | Loads per Man per Night. | Loads per Cart per Night. | Cart Loads. | | |
| | | Manure. | Ashes. | Total. | Phillips Street. | Sandhills. | | | | | | | | South Wharves. | Waver-tree and Inland |
| | | | | | | | | | | | | | | | |
| 6,384 | 26,271 | 21,607 | 14,201 | 35,808 | 23,221 | 8,420 | 2,931 | 1,236 | 34.5 | 6.65 | 27. | 27.1 | 3.34 | 4.25 | 1.36 |

TABLE No. 2.

SERVICE FOR THE COLLECTION AND REMOVAL OF DRY ASHPIT ASHES.

| Notices Received. | Ashpits Emptied. | Loads of Dry Ashes. | | | | Average Daily Working Staff. | | | Analysis of Work. | | Average contents of each Ashpit. | |
|----------------------|---------------------|---------------------|---------------------|------------|-------------------|------------------------------|----------------------|---------|------------------------------|-------------------------------|---|----------------------|
| | | Number Removed. | Where Deposited. | | | Ashpit Men. | Carts and Wagons. | Horses. | Loads per Man per Day. | Loads per Cart per Day. | | |
| | | | Phillips Street. | Sandhills. | South Wharves. | | | | | | | Rubbish Tips, &c. |
| 12,505 | 102,410 | 60,284 | 14,904 | 3,992 | 17,374 | 24,014 | 60·35 | 41·86 | 42·95 | 3·2 | 4·6 | ·58 |

TABLE No. 3.

SERVICE FOR THE COLLECTION AND REMOVAL OF BELL CART ASHES.

| Loads Removed | Where Deposited. | | | | Carts Employed. |
|---------------|------------------|------------|--------------|--------------|-----------------|
| | Phillips St. | Sandhills. | River Craft. | Rubbish Tips | |
| 16,572 | 9,173 | 1,473 | 5,133 | 793 | 13·8 |

TABLE No. 4.

SERVICE FOR FLUSHING AND CLEANSING TROUGH WATER CLOSETS.

| Number of Urinals. | Number of Trough Water Closets. | Average Working Staff. | |
|--------------------|---------------------------------|------------------------|-------------|
| | | Trough W. C. Men. | Urinal Men. |
| 222—542 Stalls. | 3,521 | 51·49 | 11· |

TABLE No. 5.

SERVICE FOR CLEANSING, COLLECTION, AND REMOVAL OF REFUSE FROM STREETS, COURTS, PASSAGES, &c.

| Total Number Removed. | Loads of Street Sweepings Removed. | | | | | Average Daily Staff. | | | | Average Number of Loads Removed Daily per Cart. |
|-----------------------------|------------------------------------|------------|------------|-------------------|--|----------------------|-----------------------|--------|---------|--|
| | Where Deposited. | | | | | Scavengers. | Sweeping Machines. | Carts. | Horses. | |
| | Phillips Street. | Sandhills. | Wavertree. | South Wharves. | Refuse on Tips and New Macadam. | | | | | |
| 88,071 | 47,020 | 10,445 | 3,283 | 19,033 | 8,290 | 328· | 15·5 | 63·5 | 80·8 | 4·44 |

TABLE No. 6.

CLEANSING AND REMOVAL OF REFUSE FROM STREETS, COURTS, AND PASSAGES ON SUNDAYS.

| Loads of Street Sweepings. | | | | | | | | | | | |
|----------------------------|---|--------|---------|------------------|------------------|---------|------------|---------|-------------------|----------------------|---------|
| Removed. | | | | Where Deposited. | | | | | | Average Daily Staff. | |
| Manure. | | Ashes. | Refuse. | Total. | Phillips Street. | | Sandhills. | | River Craft Dock. | | |
| | | | | | Manure. | Refuse. | Manure. | Refuse. | Manure. | | Refuse. |
| 1,992 | 5 | 2,075 | 4,072 | 1,522 | 921 | 363 | 526 | 107 | 633 | 132. | 29. |

TABLE No. 7.

SERVICE FOR STREET WATERING.

| Number of Days on which Carts were out. | Total Number of Loads Distributed. | Average Daily Staff employed during the Season. | | | Average Number of Loads Distributed Daily per Cart. |
|---|------------------------------------|---|-------------------|--|---|
| | | Watermen. | Carts and Horses. | | |
| 142 | 163,836 | 23.17 | 28. | | 40. |

TABLE No. 8.
DESPATCHES OF MANURE AND REFUSE.

| | Saleable Manure. | | | | Unsaleable Refuse. | | | | | Grand Total. | Average Daily Staff. | |
|---------------------|------------------|------------|----------|--------|--------------------|----------|---------|--------|---------|--------------|-------------------------|------------|
| | Night Soil. | Sweepings. | Mixture. | Total. | Contractors. | Farmers. | Depôts. | Sea. | Total. | | Inspectors and Foremen. | Labourers. |
| Phillips Street.... | 16,032 | 13,968 | 8,160 | 38,160 | 63,216 | 144 | 16,464 | .. | 79,824 | 117,984 | } | 19·9 |
| Sandhills | .. | 144 | .. | 144 | 18,912 | .. | 384 | .. | 19,296 | 19,440 | | |
| Do. by Rail.. | 5,993 | 7,422 | 255 | 13,670 | .. | 84 | .. | .. | 84 | 13,754 | | |
| Wavertree | 1,056 | 3,120 | .. | 4,176 | .. | 160 | .. | .. | 160 | 4,336 | | |
| River Craft Dock.. | 65 | 1,121 | 7,170 | 8,356 | .. | 2,255 | .. | .. | 2,255 | 10,611 | | |
| Do. by Hopper.. | .. | .. | .. | .. | .. | .. | .. | 61,998 | 61,998 | 61,998 | .. | 26· |
| | 23,146 | 25,775 | 15,585 | 64,506 | 82,128 | 2,643 | 16,848 | 61,998 | 163,617 | 228,123 | 2 | 52·1 |

TABLE No. 9.
HORSES.—DAILY AVERAGE NUMBER.

| Corporation Horses. | | | | Supplied for various Works. | | | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------------------|-----------------------------|-----------------------------|---------------------|------------------|-------------------|--------------------|-----------------------------|---------|----------------|-----------|----------------------------------|-------|----------------|-----------|---------|-------------------|------------------|-------------------------------|---------------------|----------------------|------------------------|--------------|
| Hired. | Number. | Effective for Work. | Percentage of Ineffectives. | At Work every Sunday. | Scavenging. | | | | | | | | | | City Engineer. | | | | | | | | | |
| | | | | | Night Soil Removal. | Dry Ash Removal. | Bell Ash Removal. | Street Scavenging. | Yards, Stables, Stores, &c. | Market. | Superintendent | Watering. | Watering before Street Machines. | Snow. | Wharf. | Abattoir. | Paving. | Sewers Cleansing. | Brownlow Street. | Watering before Steam Roller. | Lighting Committee. | Horsing Police Vans. | Disinfecting Vans, &c. | Setton Park. |
| 81 | 265 | 259 | 2·6 | 58 | 27·1 | 43·76 | 13·8 | 80·8 | 4·47 | 1·03 | 1 | 13·16 | 1·13 | ·57 | 1· | 1·5 | 119·24 | 16·17 | 1·23 | ·96 | 1· | 8· | 4·8 | ·46 |

| New Horses. | | Number Disposed of. | | | |
|-------------|-------|---------------------|------------|-------|--|
| Purchased. | Bred. | Died. | Destroyed. | Sold. | |
| 33 | 1 | 6 | 0 | 24 | |

TABLE No. 10.
AVERAGE DAILY STAFF OF MEN EMPLOYED.

| | General. | Night Service. | Day Service. | Stables, Yards, and Stores. | Workshops. | Wharves, Depôts, &c. | (Grand Total.) |
|---|----------|----------------|--------------|--------------------------------|------------|----------------------|----------------|
| Inspectors. | | | | | | | 931·8 |
| Timekeeper, Checker, &c. | 3 | 4 | 3 | | | | |
| Clerks. | 4 | 4 | 4 | | | | |
| Office Boys. | 2 | 10·5 | 4 | | | | |
| Total. | | | | | | | |
| Midden Men. | | | | | | | |
| Wharf Men. | | | | | | | |
| Total. | | | | | | | |
| Inspectors | | | | | | | |
| District Storekeepers. | | | | | | | |
| Watermen. | | | | | | | |
| Barrow Men. | | | | | | | |
| Sweepers. | | | | | | | |
| Cart Followers. | | | | | | | |
| Passage Men. | | | | | | | |
| Gully Men. | | | | | | | |
| Trough Closet Men. | | | | | | | |
| Urinal Men. | | | | | | | |
| Ash Men. | | | | | | | |
| Boat Men. | | | | | | | |
| Crew Hopper Barge. | | | | | | | |
| Orderly Boys. | | | | | | | |
| Total. | | | | | | | |
| Horsekeepers. | | | | | | | |
| Night Watchmen. | | | | | | | |
| Carters, Yardmen, Stable- men, and Storekeepers. | | | | | | | |
| Total. | | | | | | | |
| Cartwrights. | | | | | | | |
| Shoeing Smiths. | | | | | | | |
| Blacksmiths and Strikers. | | | | | | | |
| Painters. | | | | | | | |
| Total. | | | | | | | |
| Foreman. Labourers. | | | | | | | |
| Phillips Street. | | | | | | | |
| Foreman. Labourers. | | | | | | | |
| Sandhills. | | | | | | | |
| Foreman. Labourers. | | | | | | | |
| River Craft Dock. | | | | | | | |
| Foreman. Labourers. | | | | | | | |
| (Gorsey Lane, Aintree, and Ford. | | | | | | | |
| Foreman. Labourers. | | | | | | | |
| Various Town Deposit Places. | | | | | | | |
| Total. | | | | | | | |

TABLE No. 11.

Daily Consumption of Provender and Weekly Cost per Horse per Week.
Food and Litter.

| Days Keep. | Total Consumption of Food. | | Daily Average Consumption per Horse. | Weekly Cost of each Horse's Keep. | |
|--|----------------------------|-----------------|--------------------------------------|--|--|
| 97,240 Horses of Health Committee. 856 Livery, &c. <u>98,096</u> | Corn | 11,302 centals. | Lbs. 11·58 | Gross weekly cost 15s. 0½d. Credit value of Manure 1s. 6¾d. <u>13s. 5¾d.</u> | |
| | Beans and Peas .. | 4,707 „ | 4·79 | | |
| | Oats | 245 „ | ·24 | | |
| | Bran | 2,590 „ | 2·64 | | |
| | Meal | 520 „ | ·53 | | |
| | Roots | 341½ cwt. | ·38 | | |
| | Grass..... | 1,140½ „ | 1·32 | | |
| | Hay | 9,230 „ | 10·93 | | |
| | Straw | 5,823 „ | 6·26 | | |
| | Moss | 649 sacks. | ·74 | | |
| | Sawdust | 2,038 „ | ·020 | | |

(A) TABLE

DURING THE 52 WEEKS OF THE YEAR 1882, IN THE URBAN SANITARY DISTRICT OF
ALSO THE POPULATION OF SUCH LOCALITIES.

| (I.) NAMES OF LOCALITIES adopted for the purpose of these Statistics ; public institutions being shown as separate localities. WARDS. 1. | POPULATION AT ALL AGES. | | Registered Births. 4. | MORTALITY FROM ALL CAUSES, AT SUBJOINED AGES. | | | | | | |
|--|--|--|------------------------------|---|-------------------------|--------------------------|---------------------------|----------------------------|-----------------------------|----------------------------|
| | Census 1881. 2. | Estimated to middle of 1822. 3. | | At all Ages. 5. | Under 1 Year. 6. | 1 and under 5. 7. | 5 and under 15. 8. | 15 and under 25. 9. | 25 and under 60. 10. | 60 and upwards. 11. |
| | | | | | | | | | | |
| Scotland | 70606 | 69550 | 2570 | 1712 | 517 | 422 | 99 | 54 | 462 | 158 |
| Vauxhall | 15382 | 14923 | 524 | 447 | 125 | 100 | 27 | 14 | 127 | 54 |
| St. Paul's and Exchange | 19937 | 19426 | 605 | 500 | 132 | 87 | 25 | 21 | 177 | 58 |
| St. Anne's and Lime Street | 36688 | 36139 | 1030 | 830 | 233 | 164 | 53 | 38 | 239 | 103 |
| Castle Street and St. Peter's | 6644 | 6467 | 150 | 120 | 31 | 20 | 10 | 3 | 37 | 19 |
| Pitt Street and Great George | 18910 | 18353 | 598 | 430 | 124 | 62 | 21 | 22 | 134 | 67 |
| Rodney Street and Abercromby | 41997 | 41399 | 1220 | 709 | 153 | 131 | 27 | 23 | 209 | 166 |
| Everton | 109812 | 111887 | 4126 | 2384 | 697 | 566 | 144 | 88 | 586 | 303 |
| Kirkdale | 58145 | 62114 | 2488 | 1361 | 377 | 341 | 81 | 58 | 340 | 164 |
| West Derby | 67727 | 69885 | 2753 | 1368 | 362 | 297 | 78 | 50 | 357 | 224 |
| The Toxteths | 106660 | 110234 | 4434 | 2380 | 694 | 524 | 125 | 84 | 596 | 357 |
| (II.) Public Institutions. { | Parish Workhouse & Hospitals.. | .. | .. | 2065 | 183 | 145 | 92 | 182 | 1050 | 413 |
| | Out Township Workhouse and Hospitals | .. | .. | 512 | 13 | 27 | 31 | 41 | 314 | 86 |
| Totals | 552508 | 560377 | 20498 | 14818 | 3641 | 2886 | 813 | 678 | 4628 | 2172 |

| | | | | | | | |
|--|----|---|----|---|---|----|----|
| Deaths occurring outside the division or district among persons belonging thereto | 62 | 1 | 6 | 3 | 4 | 43 | 5 |
| Deaths occurring within the division or district among persons not belonging thereto | 43 | 4 | 14 | 8 | 2 | 15 | .. |

LIVERPOOL, CLASSIFIED ACCORDING TO DISEASES, AGES, AND LOCALITIES, AND SHOWING
AND THE BIRTHS THEREIN DURING THE YEAR.

| MORTALITY FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS IN PERSONS UNDER FIVE YEARS OF AGE. | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|-----------------|--------------------|--------------------|-----------------------------------|---------------------------|-------------------|---------------------------------|-----------------------------------|-----|---------------------------------------|-----------------|----------------------------|--------------------|----------------|----------------------------|--------------|------------------|--|--------------------------|------------------|----------------------------------|
| 12. | Smallpox. 13. | Measles. 14. | Scarlatina. 15. | Diphtheria. 16. | Croup (not) 'spasmodic' 17. | Whooping Cough. 18. | Continued Fevers. | | | | Diarrhoea and Dysentery. 22. | Cholera. 23. | Rheumatic Fever. 24. | Erysipelas. 25. | Pyæmia. 26. | Puerperal Fever. 27. | Ague. 28. | Phthisis. 29. | Bronchitis, Pneumonia, and Pleurisy. 30. | Heart Disease. 31. | Injuries. 32. | All Other Diseases. 33. |
| | | | | | | | Typhus. 19. | Enteric or Typhoid 20. | Other or Doubt- ful. 21. | | | | | | | | | | | | | |
| Under 5 | .. | 51 | 38 | 6 | 17 | 58 | .. | 7 | 1 | 104 | .. | .. | 3 | .. | .. | .. | 1 | 208 | 1 | 41 | 403 | |
| 5 upwards | .. | 3 | 23 | 1 | 4 | 2 | 14 | 10 | 3 | 9 | 1 | 6 | 4 | .. | 1 | 1 | 118 | 260 | 77 | 36 | 200 | |
| Under 5 | .. | 9 | 6 | 1 | 5 | 15 | .. | 1 | 1 | 28 | .. | .. | .. | .. | .. | .. | 2 | 39 | 1 | 16 | 101 | |
| 5 upwards | .. | .. | 3 | .. | .. | .. | 8 | 2 | 2 | 1 | .. | 1 | .. | .. | .. | .. | 28 | 80 | 14 | 17 | 66 | |
| Under 5 | .. | .. | 8 | 1 | 6 | 16 | .. | .. | .. | 20 | .. | .. | 2 | .. | .. | .. | .. | 49 | .. | 10 | 107 | |
| 5 upwards | .. | 1 | 3 | 3 | 1 | 1 | 7 | 4 | 2 | 2 | .. | .. | .. | .. | .. | .. | 33 | 90 | 25 | 18 | 91 | |
| Under 5 | 1 | 21 | 12 | 2 | 6 | 25 | 1 | .. | .. | 38 | .. | .. | .. | .. | .. | .. | 1 | 74 | 1 | 13 | 202 | |
| 5 upwards | .. | .. | 11 | .. | .. | 2 | 9 | 8 | .. | 2 | .. | 1 | 4 | .. | .. | 1 | 66 | 114 | 39 | 14 | 162 | |
| Under 5 | .. | 5 | 1 | .. | .. | 5 | .. | .. | .. | 5 | .. | .. | .. | .. | .. | .. | .. | 14 | .. | 1 | 20 | |
| 5 upwards | .. | .. | 1 | .. | 1 | .. | .. | .. | .. | 3 | .. | .. | 1 | .. | .. | .. | 11 | 11 | 5 | 8 | 28 | |
| Under 5 | .. | 14 | 4 | .. | 4 | 8 | .. | .. | .. | 16 | .. | .. | 1 | .. | .. | .. | 1 | 41 | .. | 14 | 83 | |
| 5 upwards | .. | .. | 1 | .. | .. | .. | 3 | 1 | 2 | 2 | .. | 1 | 1 | .. | .. | .. | 37 | 67 | 17 | 11 | 101 | |
| Under 5 | .. | 16 | 11 | .. | 6 | 20 | .. | 1 | 1 | 27 | .. | .. | 1 | .. | .. | .. | 1 | 45 | .. | 8 | 147 | |
| 5 upwards | .. | 1 | 6 | .. | 1 | 1 | 4 | 2 | 2 | 3 | .. | .. | 3 | 1 | .. | .. | 61 | 88 | 50 | 8 | 194 | |
| Under 5 | .. | 97 | 51 | 7 | 31 | 89 | .. | 3 | .. | 84 | .. | .. | 4 | 3 | .. | .. | 6 | 269 | 1 | 34 | 584 | |
| 5 upwards | .. | 10 | 22 | 6 | 4 | 2 | 8 | 34 | 2 | 9 | .. | 6 | 1 | .. | 2 | .. | 190 | 240 | 109 | 18 | 458 | |
| Under 5 | .. | 44 | 20 | 2 | 19 | 71 | .. | 3 | .. | 58 | .. | .. | 1 | 1 | .. | .. | 6 | 120 | 1 | 16 | 356 | |
| 5 upwards | 1 | 5 | 5 | 1 | 5 | 6 | 2 | 23 | 1 | 4 | .. | .. | 2 | .. | 1 | .. | 105 | 133 | 60 | 29 | 260 | |
| Under 5 | .. | 41 | 25 | 5 | 13 | 39 | .. | .. | 1 | 45 | .. | .. | 1 | .. | .. | .. | 4 | 130 | .. | 17 | 338 | |
| 5 upwards | .. | .. | 12 | 2 | .. | 3 | 6 | 14 | 4 | 1 | .. | 2 | 3 | 1 | .. | .. | 139 | 157 | 64 | 14 | 287 | |
| Under 5 | .. | 59 | 55 | 10 | 24 | 69 | 2 | 4 | 6 | 102 | .. | .. | 1 | .. | .. | .. | 10 | 240 | 1 | 36 | 599 | |
| 5 upwards | .. | 6 | 28 | 2 | 3 | 4 | 20 | 20 | 9 | 5 | .. | 6 | 6 | 1 | 4 | 2 | 202 | 215 | 128 | 17 | 484 | |
| Under 5 | .. | 20 | 17 | .. | 7 | 1 | 3 | .. | 1 | 15 | .. | .. | .. | .. | .. | .. | 2 | 57 | .. | 19 | 186 | |
| 5 upwards | .. | 3 | 9 | .. | .. | 1 | 255 | 24 | 2 | 12 | .. | 2 | 5 | 2 | 1 | 3 | 242 | 379 | 131 | 96 | 570 | |
| Under 5 | 3 | 3 | 2 | .. | .. | 2 | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | 1 | 2 | .. | 5 | 21 | |
| 5 upwards | 1 | 1 | 6 | .. | .. | .. | 42 | 8 | .. | 5 | .. | 5 | 1 | 5 | .. | 1 | 78 | 66 | 45 | 56 | 152 | |
| Under 5 | 4 | 380 | 250 | 34 | 138 | 418 | 6 | 19 | 11 | 543 | .. | .. | 14 | 4 | .. | .. | 35 | 1288 | 6 | 230 | 3147 | |
| 5 upwards | 2 | 30 | 130 | 15 | 19 | 22 | 378 | 150 | 29 | 58 | 1 | 30 | 31 | 10 | 9 | 8 | 1310 | 1900 | 764 | 342 | 3053 | |
| Under 5 | .. | .. | 5 | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| 5 upwards | .. | .. | 2 | .. | .. | .. | 50 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| Under 5 | 2 | 9 | 5 | .. | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| 5 upwards | .. | 2 | 3 | .. | .. | .. | 14 | 6 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |

(B) TABLE OF NEW CASES OF SICKNESS,

*Coming to the knowledge of the Medical Officer of Health during the year 1882,
in the Urban Sanitary District of Liverpool, classified according to*

LOCALITIES and DISEASES.

| NAMES OF LOCALITIES. WARDS. | NEW CASES OF SICKNESS IN PERSONS BELONGING TO THE DISTRICT. | | | | |
|---|--|---------|-------------|-------------|---------------------|
| | Small Pox. | Measles | Scarlatina. | Diphtheria. | Continued Fever. |
| Scotland..... | 20 | 164 | 192 | 17 | 495 |
| Vauxhall | .. | 32 | 32 | 1 | 266 |
| St. Paul's and Exchange..... | 1 | 10 | 39 | 4 | 198 |
| St. Anne's and Lime Street | 4 | 74 | 77 | 2 | 305 |
| Castle Street and St. Peter's..... | .. | 15 | 10 | .. | 18 |
| Pitt Street and Great George..... | 3 | 38 | 30 | .. | 77 |
| Rodney Street and Abercromby | .. | 61 | 96 | .. | 128 |
| Everton | 12 | 451 | 364 | 21 | 364 |
| Kirkdale..... | 7 | 230 | 160 | 6 | 153 |
| West Derby | 3 | 306 | 244 | 13 | 154 |
| The Toxteths..... | 4 | 180 | 317 | 21 | 460 |
| Emigrants and others admitted to Hospital whose residences were } unknown | 13 | 210 | 19 | 1 | 25 |
| TOTALS..... | 67 | 1771 | 1580 | 86 | 2643 |

CITY OF LIVERPOOL.

MORTALITY MAP OF FEVER
IN 1882.

The Red Dots mark the number of Deaths.
(The Deaths occurring in Hospitals, including the Toxteth Workhouse Hospital, which is situated outside the City, have been transferred to the streets from whence they came.)

SCALE OF 1/2 MILE
0 100 200 300 400 500 600 700 800 900 1000 Yards
+ Furthest



REFERENCE TO THE WARDS.

- 1 Everton & Kirkdale
- 2 Scotland
- 3 Vauxhall
- 4 St. Paul's
- 5 Exchange
- 6 Castle street
- 7 St. Peter's
- 8 Pitt street
- 9 Great George
- 10 Rodney street
- 11 Abercromby
- 12 Lime street
- 13 St. Anne's street
- 14 West Derby
- 15 South Toxteth
- 16 North Toxteth

R I V E R M E R S Y

DURING THE YEAR ENDING SATURDAY, 30TH DECEMBER, 1882

QUESTIONS.

